

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 27th Year
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Kenneth A. Ebner
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PRB-1 Codified in Massachusetts

A new law in Massachusetts will put the language of the FCC's federal preemption of state and local laws affecting amateurs (PRB-1) on the books in that state when it takes effect next year.

H-2782, a bill in the Massachusetts legislature, was written by ARRL Volunteer Counsel Thomas Carrigan, WA1NVS, in 1992. The bill was passed by both chambers of the legislature earlier this year, then sent back to the legislature by Governor William Weld, for modification. Both chambers of the legislature then enacted the bill in the last week of this year's legislative session and sent it to the governor, who signed the bill into law on November 21.

The bill becomes law 90 days after signing, and is assigned to Chapter 225 of the Massachusetts General Laws.

Eastern Massachusetts ARRL Section Manager Phil Temples, K9HI, said "Like PRB-1, the new Chapter 225 does not give amateurs a green light to do anything they want to do with their antennas. You are still bound by the zoning laws of your city or town, and you will still have to go through the same process for approval that you have to go through now.

"So what's the difference? Now, when you go to your town hall, you can point to Chapter 225 as requiring that local regulations be reasonable. If you should find it necessary to go to court for satisfaction, you can choose state court or federal court. State court trials would be less expensive, but the precedents set in PRB-1 cases do not transfer to Massachusetts courts," Temples said.

Carrigan has written a primer for Massachusetts hams on what the new law means. It is available on the World Wide Web at

<http://www.ultranet.com/~shawn/wa1nvs.html>

Temples also suggested that Massachusetts amateurs who contacted their representatives and senators in support of H-2782 now send a note thanking them for their support.

- ARRL Bulletin ARLB106, 11/30/95

Vanity Call Form Available

FCC vanity call sign application Form 610V is now available, but the FCC is not yet accepting completed forms for filing.

In response to requests by radio amateurs, the ARRL has mailed 9000 copies of the form. If you requested one from the ARRL and do not receive it by December 16, call 860-594-0300.

The FCC is expected to announce opening dates for the first vanity call sign filing gate in early 1996. You can obtain FCC Form 610V (along with FCC form 1070V and FCC vanity call sign information fact sheet PR 9000, number 206v) by

writing ARRL, 225 Main Street, Newington, CT 06111. Please include an SASE.

Form 610v also is available from the FCC via the internet at <http://www.fcc.gov/Forms/Form610V> or <ftp://ftp.fcc.gov/pub/Forms/Form610V/>, or by fax at 202-418-0177. Ask for Form 006108.

The FCC Forms Distribution Center will accept orders in about one month. Call 800-418-3676.

- ARRL Bulletin ARLB109, 12/8/95

Badger Contesters

By Les Peterson, W9YCV

9741 West Howard Avenue, Greenfield, WI 53228



(L to R) Dick Johnson, WA9LZM; Ken Boston, WF9K; Fred Sanders, WA9KVS; Glen Randala, WA1UJU; Ralph Doll, N9LAD; Rick Sell, N9MYK; Bruce Richardson, KE9QT; Eric Rugowski, WD9IAB; Bruce Herrick, WW1M; and Jim White, KA9UZW, are the members who attended the *Badger Contesters'* meeting at the home of Ken, WF9X.

Photo by Les Peterson/W9YCV

Badger Contesters! What group is that, you ask? Well, read on. Through the promotional efforts of Bruce, KE9QT, the *Badger Contesters* club became a reality three or so years ago. Meetings of interested UHF/VHF'ers took place at various swapfests to discuss its formation, organizational structure, name and purpose. The club's organizational structure was kept to a minimum but enough to become an ARRL affiliated club. And the members selected Bruce, KE9QT, to be our fearless leader.

The club has these purposes: (1) Provide a means by which Wisconsin UHF/VHF'ers can get recognition through participation in the club competition portion of the UHF/VHF contests without jeopardizing their individual scores. (2) Promote increased friendship, friendly rivalry, and the sharing of information among Wisconsin UHF/VHF'ers outside contests. Any amateur in Wisconsin with such interests can become a member. There are no dues, just voluntary contributions to help offset the costs of meeting notices and newsletters put out by Bruce. ARRL does have one membership requirement: that is, a member must attend two club meetings a year after the first year of membership -- one meeting the first year.

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Happy New Year!



WHAT'S HAPPENING

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✕ Amateur Radio Exam Schedules

EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

Swapfests

and Other Social Events

SUNDAY, JANUARY 7, 1996. South Bend Hamfest and Computer Expo, Downtown, US 33 North at Jefferson Blvd.

SUNDAY, JANUARY 14, 1996. 24th Annual Midwinter Swapfest. Held at the Waukesha County Expo Center Forum, Waukesha, WI. Sponsored by the West Allis Amateur Radio Club. For information or reservations contact: WARAC Swapfest, P.O. Box 1072, Milwaukee, WI 53201. See also ad on last page.

TUESDAY, FEBRUARY 27, 1996. Red Cedar Repeater Association, Inc., American Legion Post 53, 634 Water St., Eau Claire, WI. Contact: Steve Hart, KA9OMC, E616 810th Ave., Knapp, WI 54749. (715) 665-2374.

SUNDAY, MARCH 10, 1996. SEWFARS Swapfest, Waukesha County Expo Center, Waukesha, WI. Contact: SEWFARS PO Box 102, Delafield, WI 53018. (414) 789-1034.

SUNDAY, MARCH 31, 1996. LAMARSFEST. Lake County Fairgrounds, Grayslake, IL.

SATURDAY, MAY 4, 1996. 18th Annual Cedarburg Swapfest, 8:00 a.m. to 1:00 p.m., at the Circle-B Recreation Center, Highway 60 and County I (20 miles North of Milwaukee, West of Grafton). Contact: ORC Swapfest Chairman, W58 N985 Essex Drive, Cedarburg WI 53012-1439. Telephone (414) 377-2784 or (414) 284-3271.

SUNDAY MAY 11, 1996. Kankakee Area Radio Society Hamfest 96. Will County Fairgrounds, Peotone, IL.

SUNDAY, JUNE 1, 1996. Adams County ARC Spring Hamfest, Friendship, WI. Contact: Adams County ARC, PO Box 232, Friendship, WI. Phone (608) 564-7887. Packet N9TD-1 on 145.03.

See also the back page and flyer ads for

additional information on many of these events.

SUNDAY, JUNE 2, 1996. Princeton Hamfest/Computer Show. Bureau County Fairgrounds in Princeton, IL. Sponsored by the Starved Rock Radio Club.

SUNDAY, JUNE 9, 1996. Cook County Hamfest at Santa Fee Park, 91st and Wolf Road, McHenry County Fairgrounds, Woodstock, IL.

SEPTEMBER 13, 14, 15, 1996. ARRL National Convention at Superfest 96, Peoria Civic Center, Peoria IL. For exhibition information contact: R & B Productions, 7150 University ST., Peoria, IL 61614 (309) 693-9667. Fax: (309) 693-3465. For general information contact: Ron Morgan, KB9NW, General Chairman, (309) 692-FEST. E-Mail: Superfest @ AOL.com.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebneter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the November 1995 meetings

month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebneter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebneter.

Club, swapfest, and Test Point information should be sent to Ken Ebneter.

Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN. This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901. *Badger State Smoke Signals* is incorporated as a Wisconsin non-stock, non-profit organization.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

column for the latest complete listing. The following are additions or changes since the listing.

FALLS AMATEUR RADIO CLUB, INC

The Falls Amateur Radio Club, Inc. meets the last Wednesday of the month at the Bank One building in Germantown, WI at Pilgrim and Mequon Roads. The door open at 7:00 p.m. and the meeting will begin at 7:30 p.m. !!GUESTS ARE WELCOME!!

YELLOW THUNDER AMATEUR RADIO CLUB (SARABOO)

Days rotate: The meeting dates for 1996 are Jan 16, Feb 14, Mar 14, Apr 16, May 15, Jun 13, Jul 16, Aug 14, Sep 12, Oct 15, Nov 13. All meetings will be at the Baraboo Civic Center, room 14, unless otherwise noted. Starting time for the monthly club meeting is 7:30 p.m.. The program start time after the meeting is 8:00 p.m., with a one hour limit.

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

January 06, 1996	Oak Creek, WI (SWAT/MRAC)
January 13, 1996	Madison, WI
January 17, 1996-	West Allis, WI (MRAC)
January 20, 1996	Loves Park, IL
January 27, 1996	Tomahawk, WI
January 27, 1996	Wauwatosa, WI (MRAC)
January 29, 1996	Milwaukee, WI (BADGER)
February 03, 1996	Oak Creek, WI (SWAT/MRAC)
February 03, 1996	Fond du Lac, WI
February 10, 1996	Madison, WI
February 17, 1996	Loves Park, IL
February 17, 1996	Milwaukee, WI (BADGER)
February 21, 1996	West Allis, WI (MRAC)
February 24, 1996	Tomahawk, WI
February 24, 1996	Wauwatosa, WI (MRAC)
March 02, 1996	Oak Creek, WI (SWAT/MRAC)
March 09, 1996	Madison, WI
March 16, 1996	Loves Park, IL
March 16, 1996	Milwaukee, WI (BADGER)
March 20, 1996	West Allis, WI (MRAC)
March 23, 1996	Menomonie, WI
March 30, 1996	Tomahawk, WI
March 30, 1996	Wauwatosa, WI (MRAC)
April 20, 1996	Milwaukee, WI (BADGER)
May, 04, 1996	Milwaukee, WI (BADGER)
	Ozaukee Swapfest
November 2, 1996	Menomonee, WI

Monthly, 1st Sat.	Racine, WI
(except January, July & August)	
Monthly, 1st Sat.	Oak Creek, WI (SWAT/MRAC)
(except May, June, July & August)	
Monthly, 2nd Sat.	Madison, WI
Monthly, 3rd Wed.	West Allis, WI (MRAC)
Monthly, 3rd Sat.	Loves Park, IL
Monthly, Last Sat.	Wauwatosa, WI (MRAC)
(except December)	
Monthly, Last Sat.	Tomahawk, WI
(January thru October only)	
Quarterly	Marshfield, WI
(Second Saturday every third month.)	

QST de WIAW
ARRL Bulletin 101 ARLB101
From ARRL Headquarters
Newington CT November 1, 1995
To all radio amateurs

SB QST ARL ARLB101
ARRL101 1996 VE test fees set

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN: Kenneth A. Ebneter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

EDITOR: Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

TREASURER: Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

CONTRIBUTING AUTHOR: Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

Subscriptions

1 year	(12 issues)	\$12.00
2 years	(24 issues - save \$2.00)	\$22.00
3 years	(36 issues - save \$4.00)	\$32.00

Special club package reduced rates are available. For information, contact Ken Ebneter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that

Effective January 1, 1996, the maximum allowable reimbursement fee for an amateur operator license examination will be 6.07 dollars. The FCC set this amount based on the Consumer Price Index between September 1994 and September 1995 and it will be an increase from the current 5.90 dollars.

Volunteer examiners and volunteer examiner coordinators may charge examinees for out of pocket expenses incurred in preparing, processing, administering, or coordinating reexaminations for amateur operator licenses. The amount of any such reimbursement fee from any one examinee for any one examination session, regardless of the number of elements administered, must not exceed the maximum allowable fee.

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

GENERAL RULES FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Some examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL. Send a 32c/ SASE if you request one from the ARRL. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.90 payable to "ARRL/VEC". (The 1996 rate is not known at the time of BSSS printing deadline.)

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)

OAK CREEK, WI (SWAT -MRAC/VEC)

FIRST SATURDAY DATES (No exams June, July or August. May exam on 2nd sat at 1:00 p.m.): 3:30 p.m. at 6560 S. 27th St., Oak Creek, WI. (2 -blocks south of College.) (MRAC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. Manor at Park, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 9:00 a.m. at 7500 W. State St., Wauwatosa S&L, lower level, Wauwatosa, WI.

For Additional Information Contact; Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St., Wauwatosa, WI 53226.

Bring along your ORIGINAL license, CSCE and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required is \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE

Amateur exams: 1:00 p.m. to 4:00 p.m.

Commercial exams: 9:00 a.m. to 12:00 noon.

Unless otherwise noted at WMVS-TV studios, MATC Downtown campus in the C building starting at 9:00 a.m. for commercial exams and Amateur exams at 1:00 p.m. the same day. The address is 1036 N. 8th Street, Milwaukee. Enter at the North West entrance of C Building. Walk-ins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow

Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available FCC General Radio Telephone Commercial exams. Fees are \$5.90 for the Amateur Radio exams and \$35.00 for the commercial exams.

MADISON, WI

VE exams are held in Madison every second Saturday morning (September through May) of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your Original licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.90, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark Jenks, NZ9B

RIVER FALLS, WI

Held in the church basement at the United Methodist Church, 127 South 2nd St., River Falls, WI. Contact: Chuck Kelly, KA9YRV, 234 W Cascade Ave., River Falls, WI 54022.

REDGRANITE, WI (W5YI VEC)

Test sessions are held in Redgranite on the second Saturday of each month, at the Civic Center, 202 Pine River rd., just off Highway 21. Testing begins at 9:00 a.m. Breakfast meeting at 8:00 a.m. at the Curve on Highway 21 prior to testing session. All Amateurs are welcome at the breakfast. Contact Terry Lynn Witt, AA9BA, 9145 Ivy Lane, Berlin, WI 54923.

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

Inquiries and registrations should be directed to Robert N. Jensen, W0WLN, 5616 Cambridge lane #6, Racine, WI. Telephone (414) 886-8551.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633.

STEVENS POINT, WI

Contact: Joe Larson, N9JW. (715) 344-1182.

APPLETON, WI - ARRL/VEC

MANITOWOC, WI (HAMFEST)

KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967.

MENOMONIE, WI

The Menomonie VEC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

MARSHFIELD, WI (ARRL/VEC)

Sponsored by the Marshfield Area ARS. Held at St. Joseph Hospital, 611 St. Joseph Ave., in the 1 West classroom located adjacent to the Westwood Cafeteria on the main floor of the hospital. Use the main entrance or any other entrance and follow the signs to the cafeteria. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Talk in on the 147.18 Marshfield repeater. Walk-ins welcome. Contact: Walter Friant, WBOKIN, 2310 Wallonie Drive, Marshfield, WI 54449 (715) 387-3870.

GREEN BAY, WI (ARRL/VEC)

Contact N9NOF, Keith Summers, 918 Bluebird St., De Pere, WI 54115. (414) 336-6087, after 4:00

p.m.

FOND DU LAC, WI (ARRL-VEC)

February 3, 1996

Sponsored by the Fond du Lac Amateur Radio Club. From 9:00 a.m. to Noon at the Community United Methodist Church located at 701 Minnesota Ave., in North Fond du Lac, WI. All level tests, walk-ins welcome. Contact: Doug Schultz, N9EZF, (414) 922-3088.

BARABOO, WISCONSIN

Location: Public Library, Baraboo, WI. Contact: Steve Schwoegler, WB9RNL, (608) 254-2895.

CEDARBURG, WI - ORC HAMFEST

EAU CLAIRE, WI - ECARC HAMFEST

GREEN BAY, WI - ARES HAMFEST

KAUKAUNA, WI - SWAPFEST

MANITOWOC, WI, LAKESHORE HAMFEST

MARSHFIELD, WI - HAMFEST

OAK CREEK, WI - SMARC HAMFEST

RACINE, WI - RACINE HAMFEST

RHINELANDER, WI - NWARC SWAPFEST

ROCKFORD, IL - RARC HAMFEST

ROTHSCHILD, WI - WVRA HAMFEST

SOUTH MILWAUKEE, WI - SMARC HAMFEST

STEVENS POINT, WI - CWRA SWAPFEST

WAUKESHA, WI - KMRA SWAPFEST

WAUKESHA, WI - MIDWINTER SWAPFEST

DUBUQUE, IA - HAMFEST

See the Swapfest column for additional information and contact persons.

GREAT RIVER AMATEUR RADIO CLUB

DUBUQUE, IOWA - ARRL/VEC

The Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact: Carl Clark, NOKAX, 145 Delicia Drive, Dubuque, IA 52001. Or call Carl at 319-557-9149. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, (815) 877-6768.

MINNESOTA TEST INFORMATION

From the December 1995 edition of "The Ground Wave", Saint Paul Radio Club.

Saint Paul Radio Club (SPRC)

Contact: Jay Bellows, K0QBE (612) 222-7253

Test Site: St. Paul Technical College

235 Marshall Ave.

St Paul, MN

TESTING: First Saturday of the month, 8:30 a.m.

Anoka Amateur Radio Club (AARC)

Contact: Art Mundy, W0FYX, (612) 571-7441

Test Site: Blaine City Hall

9150 Central Ave NE

Blaine, MN

TESTING: Second Saturday of the month, 9:00 a.m.

Bloomington Amateur Radio Club (BARC)

Contact: Jerry Jensen, WT0W (612) 222-7253

Test Site: Creekside Community Center

98th & Penn Avenue S

Bloomington, MN

TESTING: Second Saturday of the month, 9:00 a.m.

Valley Amateur Radio Club (VARC)

Contact: Paul Ramey, W0GOG (612) 432-1640 or

Test Site: Hayes Community Center

14601 Hayes Road

Apple Valley, MN

TESTING: Second Thursday of the month 7:00 p.m.

W5YI

Contact: Dave Ranney, N0AXL (612) 933-2182

Test Site: Eden Prairie Library

479 Eden Prairie Drive

Eden Prairie, MN

TESTING: Third Tuesday of the month 6:30 p.m.

(continued on page 15)

Wisconsin Nets Association Ltd.

Jim Merrell, W9AYK, Secretary • W283 Hillendale Drive • Oconomowoc, WI 53066

SECTION MANAGER'S NOTES



Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221



SM: Richard R. Regent, K9GDF; ASM: K9-FHI; STM: KA9KLZ; SEC WB9SMM; ACC: K9FHI; SGL: W9RYA; OOC: N6JSX; PIC: K9ZZ; BM: WB9JSW; TC: K9GDF.

Red Cedar Repeater Association Auction, February 27 starts 7 P.M. at American Legion Post, 634 Water Street, in Eau Claire; contact KA9OMC for details.

If you would like to be an ARRL Volunteer Examiner please phone 800-927-7583.

It's time to appoint a Field Day committee and arrange for a site!

Club activity suggestions: hold seminar on good operating techniques, OSCAR, packet or other specialty operating modes; Explorer scout demonstration meeting, Valentine's Day message center.

Four Lakes ARC has renewed as a SSC.

New Green Fox ARC officers: pres AA9LY, vp N9GVY, treas N9TXS, secy WB9ZBS.

Exams: February 3 Racine and Oak Creek;

Wisconsin Nets

Net	WNA	Freq.	UTC	CDT	Mgr.
BWN	Yes	3985	1200	0600	W9AYK
BEN	Yes	3985	1800	1200	KE9VU
WSBN	Yes	3985	2330	1730	K9UTQ
WNN	Yes	3723	0000	1800	KA9FVX
WSSN	Yes	3645	0030	1830	N9BDL
WIN/E	Yes	3662	0100	1900	WB9ICH
WIN/L	Yes	3662	0400	2200	W9UW
NWTN	Yes	34/94	0030	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	0030	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0245	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0200	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1400	0800	WA9OAY
(LSB Sunday)					

February 10 Madison; February 17 Milwaukee; February 21 West Allis; February 24 Tomahawk and Wauwatosa.

Sorry to report Silent Keys W9DND and N9-NXR.

Drop me a note if you would like a free list of Wisconsin's 111 radio clubs or 127 nets.

Thought of the month: *Teamwork is the fuel that allows common people to attain uncommon results.*

NTS Traffic Report November, 1995

Another super month for the traffic handlers in Wisconsin. The dedication and hard work of all concerned make Wisconsin one of the top traffic handling states in the nation.

With all seven nets reporting this month, there were 3996 check-ins and 2351 pieces of traffic passed. The Badger Weather Net (NM W9AYK) had 1910 check-ins and 2202 messages passed. The Badger Emergency Net (NM KE9VU) had 685 check-ins and 104 messages passed. The Wisconsin Sideband Net (NM K9UTQ) had 583 check-ins and 100 messages passed. The Wisconsin Slow Speed Net (NM N9BDL) 215 check-ins and 29 messages passed. The Wisconsin Interstate Net/Early (NM WB9ICH) had 238 check-ins and 71 messages passed. The Wisconsin Interstate Net/Late (NM W9UW) had 136 check-ins and 10 messages passed. The Northwoods Traffic Net had 229 check-ins and 35 messages passed.

There were seven stations with traffic totals in excess of 100, two of whom made Brass Pounders League. The stations are: W9AYK - 2657 (BPL), WB9JSW - 725 (BPL), K9FHI - 305, W9CBE - 216, K9DHR - 131, N9BDL - 120 and KA9KLZ - 108.

There were eleven stations submitting Public Service Honor Roll reports, and thirty stations submitting Station Activity Reports.

It was with deep regret that I accepted the resignation of Ed Rice, W9NGP, as Net Manager of Late WIN. Ed has been an integral part of Wisconsin's traffic system for many years and his dedication and hard work will be greatly missed. Ron Tlachac, W9UW, has been appointed as the new NM of Late WIN. I urge everyone to give support and cooperation to Ron as they did to Ed.

I mail my reports to League Headquarters on the 7th of the month. That makes the deadline for reports the 6th. I can accept reports until I start

printing them up for mailing. If you can catch me on the BWN on the morning of the 7th, all would be well.

Hale Blakely, W9CBE, will also accept reports and forward them to me. Hale covers most of the CW and SSB nets so there is someone on almost every net to take reports.

Reports can also be sent via packet. My packet address is: KA9KLZ @ NX9V.WI.USA.NOAM

NX9V forwards directly into my PBBS, so getting reports to me is not dependent on me checking the NX9V mailbox.

Thanks to all stations who participate in the Wisconsin nets. You are the nets and Wisconsin nets are the best. 73.

Arthur A. Evans, KA9KLZ
Wisconsin Section Traffic Manager

From the Old Goat

Jim Romelfanger,
K9ZZ, Editor



• As you read in the lead story on the front page, the first draft of a bill to be introduced in the Wisconsin legislature to codify PRB-1 (the Federal Doctrine of Preemption of tower regulations) as state law has been written.

PRB-1 is federal law now, and is codified as such in Part 97.15(e) of the Federal Communications Commission's rules governing the amateur service. It reads "Except as otherwise provided herein, a station antenna structure may be erected at heights and dimensions sufficient to accommodate

Please turn to page 9

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Thanks to NM W9NGP

By Richard Regent, K9GDF

Ed Rice, W9NGP of Oconomowoc, has been working hard as Net Manager of the Wisconsin Intrastate Net Late (WIN/L) for over eight years. He assigns Net Control Stations, handles traffic, and has prepared 96 consecutive monthly reports. WIN/L is a CW traffic net that meets daily at 10 P.M. on 3.662 MHz. Ed is pursuing other activities and responsibilities so he has requested to take some time off from traffic handling.

Mr. Rice is a retired electronics instructor from the Milwaukee Area Technical College, and has written several books on radio and television servicing. He also is a strong supporter of the Wisconsin Nets Association, CW and Amateur Radio.

Art Evans, KA9KLZ, our Wisconsin Section Traffic Manager, wrote in a letter to Ed "Your expertise and presence on the CW nets will be greatly missed . . . thanks for your many years of service to the amateur community. Your dedication and service will be an inspiration to all of us."

Thanks for all your volunteer work from all of us, Ed.

Taking over as NM of WIN/L is Ron Tlachac, W9UW, who has been appointed by Art.

Would you like to learn how to relay messages and handle traffic? Then please get in touch with Art Evans, KA9KLZ, Cuba City, WI. Art can put you in touch with alert folks in your area to help you learn about this interesting facet of Amateur Radio. Who knows, he may eventually appoint you as an Official Relay Station, Net Control Station or Net Manager. If you would like a list of 127 nets in Wisconsin please drop me a note. □

E-Z Audio Amp for In-Car HT Use

By Mike Greenfield, N9JIY
2437 Magna Vista Drive
Jackson, WI 53037

It's easy enough to hook your 2-meter handie-talkie to a mobile antenna and 12V power supply. But how do you get enough audio volume out of the tiny thing? It's a pain and a problem!

Here's a very easy solution.. if you have a cassette player in your car radio. Radio Shack (and others?) offer a device that lets a portable CD player dump audio into an in-car cassette player. It's for a 1/8" stereo plug on one end. The other end looks like a tape cassette. It uses no batteries!

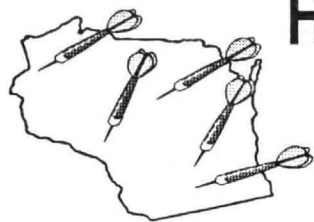
To use it, you slip the "fake" cassette end into your cassette player, plug the stereo plug into your portable CD player, then let your car radio amp do all the hard work.

You can also plug the stereo plug into the earphone jack on your HT! You'll get 2-meter audio out of half your car's speakers, but that's plenty, and you'll have all the amplification you can stand.

Radio Shack calls this device a "Compact Disc Cassette Adapter." It's stock number 12-1951, and will set you back about \$20. A deal!

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TNT is the modern coax-fed version of the classic multibander. 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HERE and THERE

HPM Award to Wyoming Youth

The ARRL Hiram Percy Maxim Award has gone to Beth Harris, KJ7FC, a 15-year-old Amateur Extra Class licensee in Cheyenne, Wyoming.

Beth was first licensed as a Novice in 1993 and advanced to Extra Class in little over a year. She is an active operator and a member of the Shy-Wy Amateur Radio Club in Cheyenne.

Beth, a sophomore at Cheyenne East High School, is active in several student organizations, including French and Amateur Radio Clubs, and has been singing in choirs since she was five.

Beth was nominated for the award by Paul M. Crips, KI7TS, a communication technology instructor at Carey Junior High School in Cheyenne, who said Beth "has a true love of life, learning and exploration. With young operators like Beth, Amateur Radio will always have its rightful place as a national resource."

Beth was honored at a luncheon on November 15, attended by her parents, school officials, ARRL Wyoming Section Manager "Rev" Morton, WS7W, former Wyoming SM Steve Cochrane, WA7H, ARRL Public Information Officer Wilson Sellner, WB7RRZ, and ARRL Rocky Mountain Division Director Marshall Quiat, AG0X.

The Hiram Percy Maxim Memorial Award recognizes outstanding under-21 licensed amateurs, and includes a 1000 dollar cash award. Nominations are made through ARRL section managers, with a deadline of March 31 each year.

- ARRL Bulletin ARLB105, 11/29/95

FCC Book on InterNet

The FCC Interference Handbook now is available on the Internet. The 22 page booklet, available from the Compliance and Information Bureau via the FCC World Wide Web home page, includes the same information and illustrations contained in the recently published Interference to Home Electronic Entertainment Equipment Handbook. It includes information about equipment installation, identifying interference sources, curing interference problems, and filters. It also contains a list of home electronic equipment manufacturers and telephone numbers. Pictures illustrate different TV interference problems, including ham or CB transmitter interference. The Interference Handbook is available on the World Wide Web at <http://www.fcc.gov/Bureaus/Compliance/WWW/tvibook.html>.

- ARRL Bulletin ARLB108, 12/06/95

ARRL Instructor Award Nominations Open

Nominations for the ARRL Instructor of the Year awards are due to ARRL Section Managers by January 31, 1996.

Each year, the ARRL Board of Directors selects recipients for each of four award categories. The ARRL Herb S. Brier Instructor of the Year Award is presented to a nonpaid volunteer instructor. The Herb S. Brier award is co-sponsored by the Lake County, Indiana, Amateur Radio Club. The ARRL Professional Instructor of the Year Award is presented to a paid, professional teacher. The ARRL Professional Educator of the Year Award is presented to a paid, but not certified, instructor. The ARRL Excellence in Recruiting Award is presented to someone who recruits more than teaches.

Section Managers forward nominations to the Educational Activities Department at ARRL, and EAD will send details to nominees about how to compete for the awards. See QST for your Section Manager's name and address. (Wisconsin: Richard Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.)

- ARRL Bulletin ARLB110, 12/8/95

HPM Award Nominations

Nominations are now open for the Hiram Percy Maxim Memorial Award. This award goes annually to a radio amateur under age 21 whose amateur radio accomplishments and contributions are exemplary. Section Managers nominate individuals based on, but not limited to, participation or leadership in local or national organizational affairs, technical achievement, operating record, recruitment and training of new amateurs and public relations activities.

Nominations should thoroughly document the nominee's Amateur Radio achievements and contributions during the previous calendar year. An award panel reviews the nominations and selects a winner. The winner gets 1000 dollars, an engraved plaque, and a trip to attend an ARRL convention for a formal presentation. The nomination deadline is March 31, 1996. Section Managers may nominate more than one person. For more details, contact Rick Palm, K1CE, Field Services Manager, at ARRL Headquarters.

- ARRL Bulletin ARLB107, 12/06/95

New Year to See Higher ARRL Awards Fees

A new fee schedule for ARRL operating awards will take effect January 1, 1996. Some fees are unchanged, some rise from 1995 levels, and some are new (in many cases in the past the League recouped the cost of postage for mailing of an award and return of QSL cards, but absorbed the costs of printing the certificates and of administration).

The new schedule is based on policy developed by the Board's Membership Services Committee and approved by the Board's Administration and Finance Committee, with the goal of approximately breaking even on the costs of offering awards. Here are the new fees, with previous fees, if any, in parentheses: VUCC and DXCC certificates

First ever: \$10 (includes pin); Additional: \$5 (includes pin); Replacement: \$5; Pins: \$5. (VUCC certificate fees are new.)

DXCC applications

First for an ARRL member in a calendar year: No charge for the first 120 QSO credits (previously, no limit). Additional for an ARRL member in a calendar year: \$10 for the first 100 QSO credits (new).

First for a foreign non-ARRL member: \$10 for first 120 QSO credits (previously, no limit). Additional for a foreign non-ARRL member: \$20 for first 100 QSO credits (new).

Additional QSOS: 10 cents per QSO (new); Convention/HQ walk-in card check: \$2 (limit of 120 cards per application). (Return postage must be provided by the applicant for any cards submitted or for information requests.)

Worked All States

WAS certificate: \$5 plus return postage for cards (new); WAS endorsement: \$2 plus return postage for cards (new); 5BWAS certificate: \$10 plus return postage for cards (includes pin; pin fee is new); 5BWAS pin: \$5 (was \$3); 5BWAS plaque: \$25 plus shipping. (Return postage must be provided by the applicant for any cards submitted or

1996 Wisconsin QSO Party

The 1996 Wisconsin QSO Party will be held from noon CST until 7 p.m. CST on Sunday, March 10. The contest is open to all radio amateurs, and is sponsored annually by the West Allis Radio Amateur Club, P. O. Box 1072, Milwaukee WI 53701. Full rules and information will be published in the February 1996 issue of *Badger State Smoke Signals*.



for information requests.)

Other awards

ARRL Amateur Extra Class Certificate: \$5 (previously \$3); Rag Chewers Club: \$2 from ARRL HQ, no charge from ARRL-affiliated clubs; (previously no fee); Old-Timers Club: \$2 from ARRL HQ, no charge from ARRL-affiliated clubs (previously no fee). Friendship Award: \$3 from ARRL HQ, no charge from ARRL-affiliated clubs (previously no fee); Code Proficiency: SASE (9 x 12-inch for certificate, business-size envelope for endorsements); WAC and 5-Band WAS: Return postage for cards.

- The ARRL Letter, 11/28/95

Racine Megacycle Club Members See the Lights



Each December, members of the Racine Megacycle Club tour the city to view the Christmas decorations and lights aboard an old-fashioned trolley. Here, Bill Hawes, W9ERG ("Skokie Bill"), of Skokie, Illinois boards the trolley during a snowstorm. This year's tour was on December 11.

- Photo courtesy Dave Voss/WB9USI

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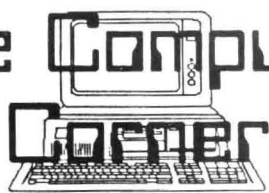
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Send this form, with your check or money order, to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, WI 53913-0337. Please do NOT send cash!

January 1996

The Computer



By Stan Kaplan, WB9RQR
105 Martin Drive

Port Washington, WI 53074-9654
(414) 284-9346

WB9RQR @ N9PBY.EN63BI.WI.USA.NA
SKAPLAN @ POST.ITS.MCW.EDU

No. 27: SURGE PROTECTORS

Even your ancient XT deserves a surge protector. These devices intercept high voltage spikes, sometimes only a few picoseconds in duration, that come down the line (fairly often) and have the potential for damaging components in your power supply, on the motherboard, or anywhere else inside the computer.

Pick one up at your local Ace Hardware store for well under \$10, or on sale from time to time for under \$5. Wherever you buy one, make sure it has "three mode" protection. What that simply means is that instead of just one MOV (Metal Oxide Varistor), there are three of these devices inside. They look just like disk capacitors (though usually colored red to distinguish them). One should be soldered between the ground lead (green) and the hot (black) wire, one between the ground lead and the neutral (white) wire, and one between the hot and neutral leads.

MOVs are made of a zinc oxide mixture, placed between two electrodes. The device acts like a very high value resistor under usual conditions. When a high voltage spike comes down any of the three wires, the MOV's voltage threshold (typically 130 volts) is exceeded and the device conducts, shorting out the spike and preventing it from reaching the computer.

Some years ago, when surge protectors were unavailable or very expensive, I began to make these devices at a cost of about \$10 each and

distribute them in my department at the medical school. Before I was able to saturate my department with them, each time we had an electrical storm two or three or four unprotected computers would be damaged or have their brains temporarily scrambled. Protected machines came through the ordeal unscathed. Invariably, the next day would find several of my colleagues in my office, begging for a protector. They work.

A warning, though. MOVs wear out with time, and you cannot tell when one is bad unless they actually short out and "let the smoke out" or blow a fuse. After many spikes, a preferred path develops between the zinc oxide particles, which reduces the resistance until the device actually shorts out. Some claim this is a fire hazard. Apparently computer manufacturers hesitate to include MOVs in the power supply because of the limited life characteristics and inability to tell when the device is bad. Therefore, if you have a surge protector that is more than, let's say, five years old, replace it or replace the MOVs.

One last hint. Tie one or two simple overhand knots in the power cord of the surge protector, or even in the power cord of the computer itself. Why? In the event of a close lightning strike, it may save the computer. Lightning does not like sharp bends, and the surge of high voltage electricity traveling down your power cord will balk at a knot. It will probably fry the cord at the knot, dissipating its energy in the act of making the cord into toast. Better the cord, than the computer!

An experiment done by a leading computer guru proves this point. In a large office with many computers, knots were put in the cords of some, while others were left alone. After a lightning strike, every machine with a knot in its cord worked fine (after replacement of the toasted cords). Those computers without knots in the cord were ruined, and required extensive service or complete replacement. A knot is a simple insurance policy, indeed! Happy computing.

Reprinted, by permission, from the ORC Newsletter, Ozaukee Radio Club, P.O. Box 13, Port Washington, Wisconsin 53074 (Skip Douglas, KA9DDN, Editor).

Wisconsin QCWA Chapter 55 Has Autumn Meeting

By Les Peterson, W9YCV

9741 West Howard Avenue, Greenfield, WI 53228



Dick Scarvaci, K9CAN (left), presented three certificates to his father, John, W9GIL.

- Photo by Les Peterson/W9YCV

Wisconsin Chapter 55 gathered at George's Wilson House in Port Washington, WI for its annual Fall meeting Saturday, October 14. It was a typical Wisconsin Fall day with bunches of sunshine to bring out the colors of the leaves. And a few rain showers occurred to provide a little variety.

At the request of Chairman Ed Seruga, KE9JJ, forty members and guests observed a moment of silence in memory of past members. Then Verne Teske, W9RYA, gave the invocation.

Following a delightful buffet dinner, the chairman had members introduce the guests they had brought with them. There was a warm welcome to returning member Tom Gettelman, W9IZO. He recently returned to the Milwaukee area having lived several years in Washington State. Herb Roehner, WA9UVK, a frequent visitor to Chapter 55 meetings, became a member. After that, there came the drawing of numbers for door prizes. The main prize was a beautiful artist's painting of the Port Washington area where we were holding this meeting. Orv Stewart, KA9ONQ, the painter's father, donated this limited edition painting (No. 15 out of 250 reproduced.) The lucky winner was Bea Krause, the wife of Jack Krause, W9JK.

Next, Dick Scarvaci, K9CAN, presented his father, John Scarvaci, W9GIL, with three QCWA certificates. These were: Golden Anniversary - 65 years, Century Club - 106 years and Continuously Licensed - 66 years (see accompanying photo).

At this point, the ladies went to another area to play bingo, and our business meeting began. The minutes of the June meeting and the treasurer's report received approval. Next came the election of three board members. Since no further nominations came from the floor, the nominees previously selected received a unanimous vote. These new board members are: Fred Linn, W9NZF; Ed Wille, W9PWG; and Verne Teske, W9RYA. Meeting briefly, the board elected these chapter officers, with Verne becoming the new chairman, and Fred Linn the vice chairman. The others continued in their positions as follow: Jack Krause, Secretary, and Erv Froehlich, Treasurer. As board members we have: Ed Wille, Ed Seruga, and George Cox, N9BCX.

For the program, Fred Linn spoke about and displayed some publications and several antique

Continued on page 7

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Ask Elmer

Q. How can I find a hidden caricature of Bill Gates and others in Windows?

A. Get into the Windows 3.1 or 3.11 Program Manager. Next select Help and then About Program Manager. With the mouse, move the pointer within the large red or blue squares in the flag. Hold both the Control and the Shift keys down. Steady the mouse and give a quick double (left) click. The credit note "Dedicated to all the hard working people of the Microsoft Windows 3.10 Team!" will appear, or you might instead see a small window with program management names scrolling inside it. On the left of this window will be either (in E-mail names) BillG, SteveB, MikeHal or T-Bear. Bill appears in a yellow sport jacket with black bow tie. The exact outcome is random. So if you do not get anything, just back up to Program Manager and carefully start this hunting procedure over.

Q. What is EMM386?

A. EMM386.EXE is a memory driver that fakes expanded memory and fills upper memory blocks. When loading it through CONFIG.SYS be sure to load HIMEM.SYS before it and DEVICEHIGH commands after it.

Q. What is DEFRAG?

A. DEFRAG.EXE organizes or defragments a disk (or hard drive) to optimize disk drive performance. One caution, do not use DEFRAG while Windows is running. Also, Norton Utilities has a defrag version called Speedisk.

Q. How can I tame bad sectors on my hard drive?

A. At the C prompt type COPY *.* NUL, telling the computer to copy files to nowhere. As the computer goes through the files one by one, it tries to copy them and stops on a bad sector. Write down the file name and press I for ignore. From your list copy those files, if you can, and rename the originals. The bad sectors are still occupied by a file and won't be used again. Another way is to use diagnostic software like PC Tools or Norton Utilities.

Q. What is a simple way to check how many bytes are on a disk before I back it up or copy it?

A. Use CHKDSK to add up the total number of bytes on a disk, including hidden files, user files, allocation units and disk space. This will tell you how many floppies you'll need. CHKDSK also will show the amount of disk space available if you want to add software to a disk.

Do you have a question or a problem? Ask Elmer! Send your questions (no telephone calls, please) to "Ask Elmer," 5003 South 26th Street, Milwaukee, WI 53221.

Editor's note: Last month, Elmer told you how to clean your monitor screen. What he told you was correct. He did omit one thing, though: When you clean your screen, turn the monitor off first! I tried cleaning the monitor screen with the monitor turned on. I did it that way only once. □

Articles, Stories, Photos Needed

Hams are doing interesting and often unusual things. These are often newsworthy. Please share them with our readers. Send information for publication to the editor. The address is in the masthead on page 2 of every issue.

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For The Ladies

By Nancy Johnson,
N9NZM
407 Adams Street
Fort Atkinson, WI
53538

W9NN
19 October 1995
Plover, WI

Dear Nancy:

Glad you enjoyed the old time list of early YL's. Having been a ham since 1920, I know a lot of them, although most are SK. Enclosed is a tear sheet from a recent QST (September 1995). Helen is an old and dear friend of mine and I hear from her very often. She was the Librarian for Motorola Co. in Chicago and I saw her often. She is also the first YL member of the QCWA. I'm one of the 5 surviving charter members. I suggest you write Helen and tell her what you're trying to do by writing a YL column in a ham paper. I know she will be happy to pass on a few ideas. Her call is W8GJX.

Another very talented lady is Cynthea Wall, KA6ITT, daughter of Lenore Kingston, W6NAZ, now deceased. Lenore was a Hollywood actress and formerly worked with me at WGN. In fact, our gang of engineers made a ham out of her in 1945: W9CHD. Anyway, Cynthea has written 3 or 4 successful books about "Adventures in Ham Radio". I've enjoyed them. If you write her, tell her hello from Bob Baird, WGN Engineering Supervisor, W9NN. Good luck and let me know if I can help.

73, Bob Baird

QCWA Chapter 55 Meets

Continued from page 6

radios from his collection - one of which was a crystal detector. Fred is a member of the Antique Wireless Association who frequently attends their conventions and pays visits to the museums. So, you know the members enjoyed this program.

As for the Spring meeting, the decision was to hold it on the second Saturday in June, and someplace in the Waupaca area. Fergie, W9IEM, and Erv, W9RZW, are to select a location. □

P.S. Helen has a very fine book on the market, called "I Never Shot a Rabbit", all about Ham radio.

Call	Last Name	First Name	Licensed
1ASP	Colson	Helen	19167
1BAE			
(W1BDN)	Smith	May	1923
W1BII			
(W1FTJ)	Wilkins	Dorothy	1931
1CDP			
(W1MMP)	Randall	Eunice	1921
1NV	Campbell	Margaret	19167
1OG	Tarr	Gertrude	19167
1RO (1ZR)	Rotch	Edith	1919
1VO	Haskell	Shirley	19167
1WX	Powell	Cecil	19127
2AUQ	Carman	Beatrice	1920'S
W2BFM	Stern	Marion	1932
N2BY			
(W4UF)	Chapman	Dorothy	1927
W2FPR	Wendelt	Marge	1932
W2QJ	Ingersoll	Jeanne	1920'S
W2TEF	Hudson	Jean	1930'S
W2WP	Picard	Alice	1930
W3ABK	Darne	Frances	1927
3AEC			
(W2QCC)	Raser	Pauline	1923

Please turn to page 9

AUCTION!

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E616 810th Avenue, Knapp, WI 54749
(715) 665-2374

We've Got to do This More Often!

Hams QSO Twice - With Seventy-Two Years Between Contacts

On November 17, 1923, two young hams had a QSO. And exactly 72 years to the day, on November 17, 1995, they had their second contact. Bob Baird, W9NN, of Plover, Wisconsin, originally U8CWR, worked 9BBI, Al Kahn, South Bend, Indiana in the first contact. Locations and gear have changed, but they are

still both happily hamming. And, as Al says in a note to Bob, "Here it is! A documented record that will probably stand." There can be little doubt about that. Thanks to Bob for sending the info to BSSS. And we hope their third QSO doesn't take another 72 years. □

ARRL U8CWR **ARRL**

ROBERT E. BAIRD, 34 West First St., Dayton, Ohio

Friend 9BBI Date 17 NOV 1923

Your Signals W9NN here 11:46 AM and Tone PRC

Remarks W9NN FR U8CWR

Transmitter: 100 Watt; 1DH Circuit; Antenna Current: 3 T. C. A.

Plate Voltage from: 1000 Volts, Advance Synchronous Rectifier.

Receiver: Carco Low-Loss Tuner Detector, 2 Step Audio.

Antenna: Six Wire, Cage Type. Counterpoise: 44 Wire, Fan.

Best 73's

R. O. W. H. Robert Baird

City Manager, O. R. S.

This is Bob Baird's QSL card from 1923. The prefix "U" meant United States, and is how the call system was set up before the U. S. Commerce Department structured calls with "W" prefixes. This is a copy of the card he sent to 9BBI, now K4FW, in 1923.

RO10.8-CWR

UR CW SIGS WKD FB HR AT 11:46 CST

11/17/23 GET U VY QRK ON GREBE CR-3 1 STEP AF

TRANSMITTER - 10 WATTS ONLY RAD. 1.3 AMPS

AS ONLY GOT 400 VTS ON PLATES (WL HV 100 WATTS)

HARTLEY CIR. - DX NR LAST YR. REAL IN WATER-NEW

REG.

HOPE WK U AGN.

TNX 4 CRD.

9BBI

-ARRL-
R.O.W.H.

CUL BEST 73's
ALBERT KAHN
819 RIVERSIDE DRIVE
S. BEND

Bob received this hand-drawn card from Al Kahn for their 1923 contact. Al's location is shown as South Bend. Note he was a League member, and a member of ROWH - the Royal Order of the Wouff Hong. You'll have to attend an ARRL convention if you want to join the ROWH.

Radio K4FW

Confirming QSO on 17 NOV 1925

Mode SSB Freq. 7.2 MHz 14.25 UTC.

Your signal 5/9+20

Continuously licensed since 1920. Spark
8AIB. CW as 8BTI-8CWR, Dayton. To
Illinois in 1927 as 9NN. Retired from WGN
Chicago after 36 years. To Wisconsin 1971.
My secondary station, W9JJ, operated from
1959 to 1980.

Founder W9 DXCC

Charter member No. 52 National QCWA.
OOCT No. 462-ARRL-FOC No. 1162
Member of original DXAC for W9 area.

72 yrs long time between
QSOs!! We should do it
more often! 73

W9NN M Bob LI W9NN/4

W9NN

Here's the card Bob sent to Al after their second contact - in 72 years. His colorful and long ham radio history are well-summarized on the card.

TENNESSEE
SEVIER COUNTY

K4FW

DAY	MO	YR	UTC	RADIO	RST	MHZ	MODE
17	11	95	1725	W9NN	59	7225	SSB

RIG: TEN-TEC OMNI 7 73

☐ PSE QSL Albert Kahn,
Old Cartertown Road
Gallatinburg, TN 37738 U.S.A.

☒ TNX QSL Al

Here is Al Kahn's 1995 QSL card. A lot of things changed in 72 years - just compare it to Al's 1923 card above.

What Hath God Wrought?

By Richard Regent, K9GDF
5003 South 26th Street, Milwaukee, WI 53221

Editor's note: In our December, 1995 issue, we published some information about Dr. Tom King's work using Morse code to assist individuals with communicative disorders. The information was reprinted from "MORSEls," a publication which helps coordinate these efforts with other people engaged in this work. The following story provides more details about this important endeavour, which uses a "marriage" between the first digital code - Morse - and computers to give the speech-disabled a means to communicate.

Thomas Edison's hearing became worse when he was forty years old. Unfortunately he did not invent a hearing aid, but instead had his workers shout in his ear or use Morse code. After his first wife died, he met a 19-year old woman named Nina. So they could talk Tom taught her Morse code, too. Eventually he tapped out his marriage proposal on her wrist and they were soon married.

Samuel Morse did not develop his original code beyond the letters of the alphabet, numbers and a few punctuation. That was enough for Tom Edison to propose to Nina but it limits use with modern computers. The current 101-key computer keyboard has new applications beyond normal Morse code. There are needs for Morse patterns for shift, alt,

delete, enter, various commands, mouse control and keyboard arrow inputs, to name a few.

Fortunately there are uses of Morse code besides those for the hard of hearing. There are around 20 manufacturers or developers of Morse-input hardware or software. They concentrate on use in Augmented Alternative Communications or Assistive Technology. These companies could use suggestions from CW operators to formulate new Morse characters.

Doctor Thomas King, WF9I, a Professor at the University of Wisconsin - Eau Claire Department of Communicative Disorders, continues to promote the use of Morse Code in rehabilitation and education. At learning centers and childrens hospitals across the country various Morse Code programs, encouraged by Tom, are being used or tested to help people talk with each other.

Tom is also Editor of the MORSEls newsletter. Under the newsletter title you will see MORSEls shown in Morse code. MORSEls informs folks about the important information and accomplishments of using code. Tom's work now includes collaborative efforts with the UW-Madison Trace Research and Development Center, and John Hopkins University Center for Technology in Education.

Dr. Tom King would be glad to hear from you on expanding the Morse character set or any comments you may have on this subject. Tom can be reached at (715) 836-3980 or on E-mail at KINGTW@UWEC.EDU. □

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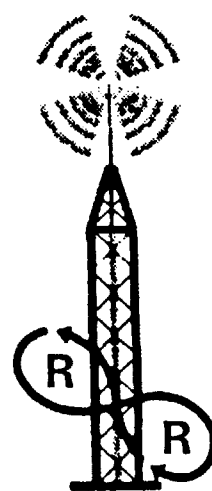
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wants and your phone
number to be added to our
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Badger Contesters

Continued from front page

As for meetings, Bruce tries to hold meetings at swapfests around the state so members can easily meet the ARRL requirement of attendance at two meetings per year. Additionally there may be meetings at members homes. There was such a meeting on September 21 at the QTH of Ken Boston, WF9X.

As time permits and when there is a need, Bruce produces a newsletter, *Badger Contesters*, or a news card. He announces upcoming meetings, reports on upcoming contests, tabulates members' scores in contests, provides membership lists, lists those on the Internet, and other amateur related information.

The club has a net that meets on 144.220 MHz SSB at 8:30 p.m. each Tuesday with Greg, AA9-AO, up in Green Bay as net control. Check in to it and learn more about the club. It also has a club call: **KB9LMF**.

As I mentioned earlier, on September 21, eleven members of the *Badger Contesters* met at the home of Ken Boston, WF9X. It began with member introductions. Each briefly described his UHF/VHF station and activities. Bruce, KE9QT, talked about the new Rover rules situation. He also had planned to demonstrate his newly constructed 2304 MHz equipment but the rainy weather changed it to a show and tell. The members had an opportunity to see Ken's evolving UHF/VHF contest station. Some also checked into the local six-meter net that was in progress.

We thank you, Ken, for holding this meeting.

Remember, all interested Wisconsin amateurs are welcome to join *Badger Contesters*. Let it be known to Bruce by E-mail or snail mail that you want to join the throng. His addresses are: E-mail 74172.211@compuserve.com or Bruce Richardson, KE9QT, P.O. Box 371024, Milwaukee, WI 53237-0024. Even an expression of interest to another member can get you on the mailing list or, sign up at the meeting during the WARAC Swapfest on January 14, 1996. □

For the Ladies

Continued from page 7

3BCK	Garmhausen	Ada	1920's
3CDQ	Zandonnil	Elizabeth	1922
W3CUL	Burk	Mae	1932
W4AXF	Collins	Carrie	1929
5AWQ			
(W5IZL)	Brown	Ruth	1924
W5BKG	Henderson	Ethel	1929
W5TU	Reiffen	Rose	1930's
W5ZZV	Bornemann	Margaret	1930's
W6AET	Terrell	Florence	1926
W6ALH	McLara	Esther	1929
W6DHV	Amarantes	Mae	1931
W6EK	Card	Flora	1930's
W6GA	Necker	Mary	1931
W6GEV	Lary	Lois	1932
W6GOZ	Kirtley	Iva	1932
W6MA	Wallace	Bertha	1927
6SO	Parkin		
		Gladys Kathleen	1916?
K7ANQ	Osterbeck	Lilly	1930's
7CB (7FG)	Dow	Winifred	1912?
W7COX			
(W9SUN)	Viers	Frances	1932
W7NH	Hart	Nellie	1932
7Si			
(W6HEG)	Gilbert	Harriett	1923
-----	Peckham	"Ma"/W7ABD	1930's
W8ADU	Driver	Blanche	1920's
8BI	Bourne	Beatrice	1920's
8ER (8NH)	Candler	Emma	1915
9CCN			
(W0RNO)	Northrop	Ada	1925
9CFQ	Hume	Lillian	1920's
9DET	Bergner	Elizabeth	1920's
W9DXX	Bourke	Alice	1932
9GJX			
(W8GJX)	Hargreaves	Helen	1929
W9ILH	Jones	Carrie	1931
W9JYO	Zimmerman	Thelma	1932
9UA			
(W0UA)	Ensor	Loretta	1923
W0CMV	Sisk	Opal	1931
VE3AYL	Burnett		1930
VE4EI	Sparks	Mae	1930's

From the Old Goat

Continued from page 4

amateur service accommodations. State and local regulation of a station antenna structure must not preclude amateur service communications. Rather, it must reasonably accommodate such communications and must constitute the minimum practicable regulation to accomplish the state or local authority's legitimate purpose. [See PRB-1, 101 FCC 2d 952 (1985) for details.] (Bold face added by BSSS.)

Codification as a state law will provide radio amateurs in Wisconsin an important additional tool to combat ordinances in the state which fly in the face of what PRB-1 by using clever "dodges," such as exorbitant application fees. That happened in Racine County. But codification - passage by the Wisconsin House and Senate and signature by the Governor - will happen only if radio amateurs show their support for the bill.

As the story on the front page tells us, the bill does not yet have a number assigned. And as the story also says, we will tell you when it does, what the number is, and we will print the complete text of the bill.

The bill probably won't curb all abuses of power or violations of PRB-1's provisions, but it gives us another tool to use, either to prevent an illegal law or unenforceable law from being passed,

local laws that fly in the face of PRB-1.

• Among the Christmas cards received here at the K9ZZ "household" (myself and guinea pig "Starsky", so named because he lives in a hutch), was one from long-time friend Howard Trimble, K6TER, of San Diego (Pacific Beach, actually). Howard and I became friends not long after I got my Novice ticket in January, 1958 (has it been *that* long already?).

Howard passes along a few comments about BSSS and certain of its contents:

"Just finished reading my *Smoke Signals*, and feel as if I know all those people whose names are printed. I don't copy W1AW bulletins any more; just wait and read them in *Smoke Signals*, partly due to being lazy and mostly due to the band conditions being very poor.

"Being a creature of habit, I read the Computer Corner first, and then Ask Elmer. A couple months ago, you had the picture of sun spots and I learned more in a few minutes after being puzzled for 40 years about sun spots."

Thanks, Howard. The writers of those columns are astute people, and we're glad to have them. And we all hope the K6TER holiday season was a great one. I'd sure like to see Pacific Beach and Mud Flat High (Mission Bay Senior High School) once more.

• Finally, we hope that YOUR holiday season was first-rate, too. And here we go into another year of BSSS. Stay tuned. This will be an interesting year. □

Racine Megacycle Club 1995 Fox Hunt Results

1	N9DLZ - Dave	14	N9RGX - Alex	27	N9PBA - Keith
2	WB9USI - Dave	15	KC9NG - Dave	28	N9PMO - Mike
3	WB9ZKY - Gene	16	Brianna - (ZT)	29	John - (THH)
4	WB9ZKX - Bonnie	17	Kris - (NG)	30	N9ZOW - Dave
5	KB9HSJ - Joe	18	N9THH - Art	31	KB9KUA - Leah
6	KF9ZT - Rob	19	AA9IL - Mike	32	N9RGW - Paul
7	WB9SVM - Dennis	20	James - (RGX)	33	W0WLN - Bob
8	Sylvia - (HSJ)	21	N9CXA - Rick	34	David - (OEZ)
9	N9ZWN - Cathy	22	N9JYJ - John	35	KB9LXM - Harold
10	WS9P - Cheryl	23	N9OEZ - Mike	36	N9AP - Bill
11	WB9LST - Ray	24	N9WWS - Vickie	37	Sarah - (THH)
12	KA9OIL - Dan	25	Jim - (THH)	38	KB9LLV - Kevin
13	KB9KTU - Sharon	26	KB9JIE - Linda	39	N9ZGP - Matt

The Racine Megacycle Club sponsored 2-meter Hidden Transmitter (FOX) Hunts are open to all interested persons. The hunt area is any where in Racine or Kenosha counties east of Hwy 45. The start point varies, talk-ins on 147.27+ repeater. For a complete list of Fox Hunt rules send an SASE to: Fox Hunt Rules, c/o RMC, P.O. Box 3, Racine, WI 53401-0003.

RMC Fox Hunt Schedule for 1996

Jan 5	Mar 29	Jun 21	Sep 13	Nov 8
Feb 2	Apr 26	Jul 19	Oct 11	Dec 6
Mar 1	May 24	Aug 16		

- Alex Voss, N9RGX, Secretary, Racine Megacycle Club

Spartan Packet Radio Experiment to Test GPS

The Spartan Packet Radio Experiment (SPRE), an experiment to test satellite tracking using amateur packet radio and the Global Positioning System (GPS), will be among those aboard NASA's Spartan/OAST-Flyer spacecraft. The Spartan spacecraft is scheduled for launch on January 11, 1996, aboard the space shuttle *Endeavor* as part of mission STS-72.

SPRE was developed and built by the University of Maryland Amateur Radio Association (UMARA) with assistance from NASA, volunteer engineers, and volunteer software professionals. The spacecraft is a cube-shaped, battery-powered, retrievable satellite. Spartan will be deployed by the shuttle's robot arm and likewise retrieved after approximately 48 hours of free flight. SPRE is designed to relay ground-station positions and transmit telemetry containing the GPS location of the spacecraft and housekeeping data. The GPS data will be generated by another Spartan experiment. Special software called *APRtrak* will be used at SPRE ground stations to plot the positions of stations and objects worldwide using SPRE transmissions. *APRtrak* uses full-color maps and graph-

ics, and it can display detailed maps of selected geographic regions.

Amateur radio ground stations can transmit their locations to SPRE, and, if heard, SPRE will relay GPS information back to Earth. All ground stations within range of SPRE will see the relayed stations plotted at the on the map at the correct geographic location. The *APRtrak* software also will decode and display SPRE housekeeping telemetry, including temperatures, voltages, and system status. This software is freely available on the InterNet for installation on IBM compatible computers.

SPRE hopes to involve Amateur Radio operators throughout the world.

Elementary and high schools are encouraged to enlist the aid of local Amateur Radio operators to set up ground stations and participate in the SPRE experiment.

SPRE will use a ground control network, SPREnet, consisting of specially equipped Amateur Radio stations, to distribute data via the InterNet.

Please turn to page 13

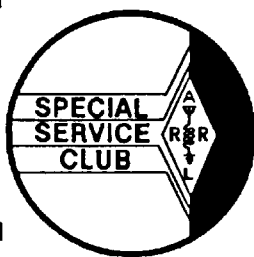
PARTICIPATING CLUBS AND ORGANIZATIONS



Riverland Amateur Radio Club

Tom O'Brien, WB9BJQ
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



MEETING MINUTES December 5

Meeting was called to order at 7:00 p.m. by President Feroz, WU9N. Minutes of the previous meeting were approved as appearing in BSSS. Karl, KB9EQI, noted that Greg's call sign, KA9FOZ, was incorrectly listed in last month's minutes. Treasurer's report was read and approved. Dues for 1996 are payable. Last year's increase in dues helped our financial health in spite of large expenses this year.

440 Repeater: Dan, N9PZC, reported that things are going fine but some things are still left to procure. Help is needed in modifying some radios.

SKYWARN: Nothing new to report but Kent, W9LZQ, reminded members that additional help will be needed this year because of the expanded coverage by NWS. Training will begin in February, before the regular SKYWARN training.

Trailer and Equipment: Bob, N9LZK, reported that all equipment of the club will be engraved with a unique identifying number.

Swapfest: No report. Date will be August 24, 1996 at the Omni Center in Onalaska.

Repeater: Duane, W9HWQ, reported that all is well. A meeting of the committee was called to resolve a few problems. Solutions were found to the satisfaction of all. A motion was made by Kent, W9LZQ, to restrict access to the autopatch by changing the access code to something less common than the POUNDS access. Motion was seconded by Roger, KA9BKK. After considerable discussion, the motion

was defeated.

OLD BUSINESS

Club dinner will be January 20, 1996 and the Lighthouse at Nob Hill at 6:00 p.m. for cocktails and 7:00 p.m. for dinner. There will be a choice of three entrees. Members will receive a reminder along with dues renewal notice.

Bill, KE9XQ, explained the creation of special interest group for the purpose of building a 80 meter receiver. Members should sign up if interested.

Kent, W9LZQ, reported that Scott Neader would design a homepage for the club on the InterNet. Motion made by Kent, seconded by Walt, AA9AW, to proceed with the homepage. Motion carried.

Motion was made by Karl, KB9EQI, to apply for a club call. Bill, KE9XQ, seconded. A discussion followed, but the motion was defeated.

Nomination committee presented the following slate of officers to the club:

President: Duane Fruechte, W9HWQ. Karl, KB9EQI, was nominated from the floor by Jim, N9UWN.

Vice-President: Bob Wilson, N9LZK.

Secretary: Dan Abts, N9PZC.

Treasurer: Judy Williams, N9LGV.

Voting for president was done by secret ballot. The winner was Duane, W9HWQ. Other officers were elected by acclamation.

Bill, KE9XQ, offered his thanks on behalf of the club to Feroz for his capable direction during his term as president.

Motion to adjourn at 8:00 p.m. □

Racine Megacycle Club

Alex Voss, N9RGX, Secretary

3333 Standish Lane • Racine, WI 53405

MEETING MINUTES December 11, 1995

There was no business meeting in December.

This month the Racine Megacycle Club held its annual Christmas meeting. The meeting was held at the Chart Room Restaurant where we all had a fine chicken

dinner. Afterwards we all went to see the Christmas lights on Racine's trolleys. It was a wonderful evening, and we all had fun. The Racine Megacycle Club wishes everyone a Merry Christmas and a Happy New Year.

RENEWAL TIME IS HERE! If you

Continued on page 11

Racine Megacycle Club/W9UDU 1996 Membership Application

Name: _____

Address: _____

City: _____ State: _____ ZIP: _____

Call Sign: _____

Member of ARRL? ☐ Yes ☐ No Include B.S.S.S.? ☐ Yes ☐ No

Dues are \$15.00 (\$6.00 if you already receive Badger State Smoke Signals). Send this form, with check or money order, to RMC, P.O. Box 3, Racine, WI 53401-0003, or give to Dave, AA9HL. Family rates are available.

Eau Claire Amateur Radio Club

Carl Searing, W9NW, Secretary

1129 McKinley Road • Eau Claire, WI 54703

MEETING/CHRISTMAS PARTY December 12, 1995

The club's annual Christmas party was held in a large meeting room on the third floor of our usual location. The room was very tastefully decorated for the holiday season by Judy Spangler, XYL of Bert, W9ZZI.

President Kevin Zehr, N9OHE, opened the affair. An invocation was given by the Rev. Paul Bittner, W0AIH. This was followed by the appearance of Saint Nicholas, who bore an uncanny resemblance to N9HME!

A very brief business meeting preceded the festivities. Introductions were made. Over 60 members and friends were present.

Items discussed, in capsule form:

- The Eau Claire Ski Club wants volunteers for January 13 races.
- The club voted to donate a sum of money to the food pantry.
- No info yet on the 1996 hamfest

date or site.

- N9JOE and WB9RBP to co-chair 1996 Mission Eau Claire training.
- Next VE exams to be held on January 13, 1996.
- Lunch committee for January 9, 1996 meeting: KC9NN, N9OHE.

There followed an excellent meal (our parties tend to be of the bring-a-dish-to-pass type). Saint Nicholas (and his helper, Nolene Harlson, N9MNA) passed out the presents. Nolene had been given a sum with which to buy presents, and she managed to come up with almost as many presents as she had dollars, plus she wrapped each one. Kudos to Nolene. Our thanks also to Lois Riley, daughter of Lowell, W9MEO. Lois played the bagpipes during the evening, an interesting accompaniment to the occasion.

A special prize was given to the ham attending who was licensed the longest: Ray Dietzler, W9HUT.

These notes were furnished by Joe Eide, KB9R, as the secretary was unable to attend. □



SHEBOYGAN County Amateur Radio Club

Mike Musiel, KF9SJ, Secretary
N9001 Dairyland Rd., Cleveland, WI 53015

The December meeting of the Sheboygan County Amateur Radio Club was called to order by Chris, N9VKC. The SCARC meets at the Red Cross Building, 2032 Erie Ave., Sheboygan, WI, at 7 p.m. on the second and fourth Tuesday of the month. There is usually no general membership meeting in February, because of the Banquet, and July, because of Field Day.

Club Meeting Notes

Ham Of The Year Award nomination forms were handed out. If you were not at the meeting, and are a current club member, you should be receiving a nomination form in the mail from Steve, N9TRK. Please fill this out as soon as possible and return it to the address on the form.

RSVP forms for the club banquet were also passed out. The banquet will be the Saturday the 17th of February at 5 p.m. If you have not RSVP'd by the time you read this, and would like to attend, contact N9VKC immediately!

A updated call list is being prepared for emergency services purposes. Area hams who would like to participate in emergency services and public safety nets should sign up with Mike, KF9SJ. The new list will also be used to develop a calling tree, based on what time of the day participating hams are available.

Steve, N9TRK, club treasurer, reported that the club is still in the black. Club VP Kurt, N9ZMO, distributed copies of the SCARC NewsNet newsletter. The club newsletter is currently being distributed at the club meetings only. The postal costs have prevented us from doing a general mailing of these. If you would like

to get on a mailing list for this letter, please contact a board member. Thanks for the hard work, Kurt.

After a brief discussion of club business, the rest of the meeting was set aside for a informal gathering and eye to eye rag chew night. Thanks to everyone who supplied the ever important munchies.

Nets

The Packet Net Lives Again! The Sunday night packet net is moving to Saturday night. The first net is scheduled for Saturday, January 6th. The net will use the Converse (conference) mode available in KG9BO's mailbox. If you would like to participate, contact Josh at KG9BO on the Sheboygan LAN frequency of 144.99 MHz, or tune into the Monday Night Fun Net for more info.

Monday Night Fun Net. Meets at 7 p.m. local time on 147.06 MHz (+107.2PL). All with a Amateur Radio license of Technician class or higher are welcome to check in to this informal get together.

Monday Night 10 Meter Fun Net. Meets around 7:30 p.m., generally following the 2 meter net. The net meets on 28.350 MHz (USB), and all code class Amateur Radio operators are welcome to check in.

Sunday Morning Coffee Clutch and G5RV Net. The net meets at 9 a.m. local time on 3.860 MHz (LSB). All radio amateurs of General Class or higher are welcome to attend. Now that the Winter season is arriving, I expect this net will become lively again.

Submitted by Michael J. Musiel, KF9SJ

PERSONAL THANKS: Thanks from Ken Ebner, K9EN, Portage, and myself to Martin and the crew at MFJ Enterprises for a nice surprise this past summer. Ken and I both enjoyed being mugged! We wish all of you at MFJ a super 1996!

- 73, Jim, K9ZZ

Racine Megacycle Club

Continued from page 10

have not yet renewed your membership to the Racine Megacycle Club, NOW IS THE TIME TO DO IT! If you are not a member and would like to join now is also the best time.

MEMBERSHIP

Membership is open to all persons interested in Amateur Radio communications.

DUES

The 1996 rate is \$15.00 (\$6.00 If you are already receiving the Badger State Smoke Signals). Family rates are available. Please make all checks payable to RMC. Send in application form with check or money order to: RMC, P.O. Box 3, Racine, WI 53401-0003, or give it to Dave, AA9HL.

Ham Calendar 1996

Courtesy of Racine Megacycle Club

Jan 1	Straight Key Night (morn)
Jan 5	RMC Fox Hunt
Jan 6	RTTY Round Up
Jan 7	Kenosha Ham Breakfast
Jan 8	Megacycle meeting
Jan 13	Hamfest Dupage
Jan 14	Hamfest Waukesha
Jan 29	Testing Milwaukee
Jan 30	Lakeshore meeting
Feb 2	RMC Fox Hunt
Feb 3	Testing Racine
Feb 4	Kenosha Ham Breakfast
Feb 12	Megacycle meeting
Feb 17	Internat'l DX Contest CW
Feb 27	Hamfest Eau Claire
Mar 1	RMC Fox Hunt
Mar 2	Testing Racine
Mar 2	Internat'l DX Contest PH
Mar 3	Kenosha Ham Breakfast
Mar 10	Hamfest Waukesha
Mar 10	Wisconsin QSO Party - Noon to 7 p.m. CST
Mar 11	Megacycle meeting
Mar 29	RMC Fox Hunt
Mar 31	Hamfest Grayslake
Apr 6	Testing Racine
Apr 7	Kenosha Ham Breakfast
Apr 8	Megacycle meeting
Apr 14	Hamfest Madison
Apr 26	RMC Fox Hunt
Apr 30	Lakeshore meeting
May 4	Testing Racine
May 5	Kenosha Ham Breakfast
May 11	Hamfest Manitowoc
May 13	Megacycle meeting
May 24	RMC Fox Hunt
Jun 1	Testing Racine
Jun 2	Kenosha Ham Breakfast
Jun 8	VHF QSO Party
Jun 10	Megacycle meeting
Jun 21	RMC Fox Hunt
Jun 22	Field Day starts
Jul 7	Kenosha Ham Breakfast
Jul 8	Megacycle meeting
Jul 13	Hamfest Waukesha
Jul 13	IARU HF World Champ'ship
Jul 19	RMC Fox Hunt
Jul 27	Hamfest Rockford
Jul 28	HAMFEST RACINE!
Jul 30	Lakeshore meeting
Aug 3	UHF Contest
Aug 4	Kenosha Ham Breakfast
Aug 12	RMC Meeting
Aug 16	RMC Fox Hunt
Aug 17	10 GHz Contest
Sep 1	Kenosha Ham Breakfast
Sep 9	RMC Meeting
Sep 13	RMC Fox Hunt
Sep 14	VHF QSO Party
Sep 21	Amateur Radio Awareness
Sep 21	10 GHz Contest
Oct 11	RMC Fox Hunt
Oct 14	RMC Meeting
Oct 19	BSA Jamboree on the Air
Oct 19	Simulated Emergency Test
Oct 29	Lakeshore Meeting
Nov 2	Nov. Sweepstakes -CW
Nov 8	RMC Fox Hunt
Nov 11	RMC Meeting
Nov 16	Nov. Sweepstakes -Phone
Dec 6	RMC Fox Hunt
Dec 7	160-Meter Contest
Dec 9	RMC X-mas Meeting
Dec 14	10-Meter Contest

Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, January 4th at 7 p.m. in the Emergency Government meeting room located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. Talk-in on the 147.15 Medford repeater (+600 kHz) or 146.52 MHz simplex.

MEETING AGENDA/PROGRAM

The January meeting will include, weather permitting, the annual election of club officers (president, vice-president, secretary and treasurer) for 1996. We hope to count on your attendance, since, as has happened in the past, those who are conspicuous by their absence run the risk of becoming club officers for a year!

EXCERPTS FROM MINUTES OF DECEMBER 7, 1995 MEETING

Meeting was called to order by Secretary N9GHZ in the absence of President N9GEN. Present were N9GHZ, W9QHI, AA9LE, N9UBR and N9GEN (came in at a later time).

Minutes of the November 2, 1995 meeting were not available. There was no treasurer's report as Treasurer KA9WDX was not present.

N9GHZ passed around a copy of a letter he recently sent to Taylor County Sheriff Bill Breneman to thank him for his assistance in ensuring continuing coverage for our repeater under the county's maintenance contract with Northway Communications.

N9GHZ reported that he had recently filed an application for frequency coordination with the Wis. Amateur Packet Radio Assn. for his packet radio node which utilizes the club's site at Midway Telephone Co. in Medford, and the club's antenna and feedline.

N9GHZ passed around a Christmas postcard he recently received from the ARRL/VEC, addressed to the club's VE team.

N9GHZ reported on the results of ARES communications provided for the annual Abbotsford Christmas Parade on Saturday, December 2nd. Amateur Radio received some nice coverage in the *Marshfield News-Herald*, concerning a lost child at the parade who was subsequently found.

N9GHZ passed around a copy of the article. A total of 15 Amateur Radio operators participated. N9GHZ also passed around photos taken of the announcer's trailer, which houses the 2-meter radio for net control, the outside public address system equipment, and the video recording/production equipment.

N9GHZ reported that a Business and Industry Fair will be held in the gymnasium of Abbotsford High School on April 22, 1996 and the club has been invited to participate by setting up an Amateur Radio exhibit, similar to what we've done in the past for the school's Technology Fair, which is now defunct.

Motion by N9GHZ, seconded by W9QHI, to have the club sponsor an Amateur Radio exhibit at the April 22, 1996 Business and Industry Fair at Abbotsford High School, and to have the club provide funding, not to exceed \$30.00, to cover the cost of any exhibit space fees.

Wisconsin Nets Association Ltd.

Minutes of the WNA on the air meeting, December 10, 1995

The meeting was called to order by President KE9VU immediately after the BEN session at approximately 12:35. Present were: KA9KLZ, W9NGT, KE9VU, W9AYK, W9KKM, K9FHI, W9YCV, W9UW, NS9Q, WC9O, N9BDL. Also present with input from time to time were KA9FVX, NQ9X, K9RTB, KA9BHL, WD9SLZ.

OLD BUSINESS

The subject of the Wisconsin Novice Net which has been inactive due to the lack of interest was brought up a per last meeting. Much discussion followed. Consensus seemed to center on the suggestion by YCV that some notice be printed and published bring the question to the attention of some local clubs, Novices and also BSSS that the Novice Net has been inactive for some time. Is there enough interest to get it reactivated? It was moved that WA9YCV prepare such a communication. NGT/KLZ carried.

The Chairman brought up the subject of the WNA picnic. Its attendance has been dwindling for some years. What can and should we do to make it more desirable? The picnic attendance seems to be related to the WNA BOOSTERS. Who are they, how does one join, how much are the dues? When are they renewed? Who is the picnic for? Are people getting out of picnic modes? Make it a Wisconsin section picnic for all hams? KKM was directed to prepare a blurb for BSSS explaining the WNA Boosters. Moved and seconded ICH/FHI. However, treasurer asked for information as to how to determine starting dates for membership and renewals and the amount. YCV remembers \$10.00 for the initial membership and \$4.00 for renewals. Initial membership to include a manual and membership certificate. This was moved and seconded by YCV/KLZ, carried.

Now, that would be a copy of the manual on a disk and certificate sent in a large envelope so as not to be folded during

shipping. Discussion followed again, and Secretary W9AYK was instructed to research the minutes for information as to booster fee and renewal dates, and to inform treasurer W9KKM of the results before he prepares the information.

NEW BUSINESS

FHI requested that each net prepare a list of net members calls, names and addresses. No action taken.

KKM asked what to do with the side-band net now that the time has changed. The band fades out before they are done. Discussion revealed that other nets are having the same problem. FHI reminded that meeting times for nets are up to the net manager. No action taken.

Next meeting date was set for March 17, 1996. It will be an on the air meeting and will start on 3.985 MHz immediately after the Badger Emergency Net finishes approximately 12:30.

REPORTS

STM reports that W9NGP has resigned as WIN/Late net manager. He gives a tip of the hat to him for all that he has done for the WNA. He has appointed W9UW as the new net manager. All nets are doing well.

TREASURER reports that we are holding our own financially.

SECRETARY reports that the treasurer's report will be included with the net minutes.

BWN reports propagation changes during the net operating time, so we rely heavily on relays when the band is not open. That is a reason for traffic count changing from day to day. Traffic count goes up when propagation is poor.

BEN reports that check ins are up to 20 per day and traffic count is up 8 or 9 pieces per day. Propagation has been very good recently.

WSBN report by FHI Propagation has

Motion carried unanimously.

N9GHZ reported that he attended a December 6th meeting of the Abbotsford School District's Strategic Focus Committee, of which he is a member, and made a presentation to the committee, proposing the establishment of an Amateur Radio station and/or club at the school. No action was immediately taken by the committee, but it is under consideration at this time.

Motion by N9GEN, seconded by W9QHI, to have the club secretary purchase an additional supply of club letterhead and envelopes. Motion carried unanimously.

Meeting was adjourned.

CLARK/TAYLOR COUNTY AMATEUR RADIO EMERGENCY SERVICE (ARES) NEWS

Mike Schoenfuss, N9GHZ
ARES Emergency Coordinator

Don't forget to try to check into the weekly ARES net held Wednesdays at 8:30 p.m. on the Medford repeater (147.75/147.15). If the repeater is down or not functioning properly, alternate frequencies, in order, are 147.15 MHz simplex and 146.52 MHz simplex. You're also encouraged to volunteer for net control duty for the net.

A total of 15 Amateur Radio operators assisted in providing Amateur Radio communications for the 24th annual Abbotsford Christmas Parade at Abbotsford, WI on Saturday evening, 12/2/95. Thanks to the following, who participated: N9GHZ, WA9ZCO, KB9BLV, N9MHV, N9MED, N9IFA, KB9LWW, KB9LWV, KB9KBN, N9UBQ, N9GEN, N9UWY, KB9IQL, N9IAB and N9RRF.

CONGRATULATIONS TO..

✓ Nathan Newman (N9NDT), Gilman, and Tom Sahr (N9MED), Lublin, who were both recently named to the "B" Honor Roll at Gilman High School.

been poor due to the time change but things are going pretty good

WSSN is in the time slot when the band has fallen apart. Traffic is way down as a result. W9NGP is still active as NCS on Monday nights. He hasn't quit net activity completely. As to changing the net to the Novice segment, there is strong sentiment on the net to not do it.

WIN/E has been doing pretty good up until the beginning of this month.. Propagation put a damper on their activities. They will recover with an improvement in the conditions. There is room for another NCS - day of the week to be arranged with ICH.

WIN/L no report.

NWTN check ins are averaging 8-9 per evening. Traffic is pretty steady. NCS have been very reliable.

Meeting closed at about 2:00; moved BDL/ICH, carried.

Submitted:
W9AYK, Secretary WNA

Attention Club Secretaries or Club Correspondents

In order to help us get BSSS to your members on time, we ask that you send your club's minutes and other information for publication no later than five days after your club's meeting. Our printer isn't "Insty-Prints" and does not run the big web press when we ask; they print on Wednesdays and Saturdays only. Please make every effort to do as we ask. We try hard to serve your club. Please don't make it more difficult by submitting late information. And, if for some reason, you won't be sending anything in for an issue, tell us so we don't wait for nothing, and then have to "shuck and jive" for fillers. Your cooperation and help is appreciated. Thanks.

- Jim Romelfanger, K9ZZ, Editor

Quarter Century Wireless Association Southeastern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Radne, WI 53402



Our Christmas gathering at the Meadows Restaurant last December 10th saw twenty-two members and spouses enjoy an afternoon of fine food, excellent companionship and lively conversation. The meal culminated with the exchanging of small gifts and the consumption of a marble sheet cake depicting the QCWA logo. The cake, I believe, was an ordered store-bought entity transported to the party by Bill Komistra, W9OVZ, but knowing Bill's culinary expertise, I would not be the least bit surprised if Bill had whipped that cake into existence from scratch. It was a delicious end to a nice day. Thanks Bill.

Our January meeting place has been confirmed. We will meet at the South Port Restaurant, 4659 - 75th (Hwy 50 and 47th Avenue) in Kenosha at 7:30 p.m. on Monday the 15th of January, 1996. We will attempt to nail down the criteria associated with the selection of the first recipient of the Chapter's Olin Fox, K9AKG, award. The award will be presented at the Greater Southeastern Amateur Radio Banquet on Saturday, the 2nd of March, 1996.

Also on the agenda is a committee report, I believe, on the selection of a QSL card for the Chapter's call, KB9LUJ. And, we should vote to finalize the location for our Valentine Party under new business or maybe it is old business. I don't know maybe it is just pending business. What ever it is, I'm sure our leaders will lead us to the right choice. But just in case they need a little help, the Summit Restaurant at 6825 Washington Avenue (Hwy 20 about 4 miles east of I-94) in Racine has a very nice Sunday brunch.

Our Valentine Party will take place on Sunday the 18th of February and, if the Summit is the dining preference, it will begin at 12:30 p.m. Cards will be sent as reminders.

Spence Clope, W9LDH, is half-way home, so to speak, after successfully completing cataract surgery last month. Hopefully the remaining operation will be equally as successful.

I have not had an updated report of the progress of Travis Baird, W9VQD, for several weeks. If you haven't had the time to drop a line to Travis during the busy holiday rush, why not take a few minutes now and send a card just to say HELLO. Send it to Travis Baird, W9VQD, in care of the Shores Nursing Home, Room 141, 6925 North Port Washington Road, Glendale, WI 53217.

Secretary Bob Jensen, W0WLN, received a letter from Art, W9VSO, and Terry "Squeeks", N9VKF, Vahovius who are currently basking in the warm, maybe even hot Alabama sunshine while the rest of us are up here freezing our bunnies. Art says he is on the Milwaukee/Florida net most mornings from 6 to 8 a.m. If you are up and conditions are favorable, give Art a shout.

Mark your calendars for Saturday, the 2nd of March, 1996. The date for the Greater Southeastern Amateur Radio Awards Banquet has been changed from February 24th to March 2nd. The great event will be held at the Racine Yacht Club. Contact Bob Jensen, W0WLN, or myself for further details. A flyer with all the details will be available during the first week of the new year. We will be making distribution of same.

Also, the Awards Committee is looking for nominations of individuals, groups and/or businesses that have contributed to ham radio and our community on a meaningful way (now that's what I call "a nice vague term"). We would like to recognize their efforts by presenting the selectees with a suitable plaque at our banquet. To do so, the committee needs your written nominations in as great a detail as you can provide stating why the committee should honor your selection. Mail or FAX your nomination to Larry McCalvy, WA9JMO, Chairman, Awards Committee, 5400 Six Mile Road, Racine, WI 53402 or FAX it to (414) 639-3320.

73, Larry McCalvy, WA9JMO

At University of Wisconsin, Stevens Point



WB9QFW 2-Meter Repeater 146.07-.67 and Club Station

P. O. Box 923 • Plover, WI 54467

Correction: A typographical error in the December 1995 issue of *Badger State Smoke Signals* resulted in misidentification of Mike Pagel's affiliation. Mike, KA9-LAQ, our featured speaker at the November 8 club meeting, is Associate Director of Student Services at the University of Wisconsin - Stevens Point, not, as had been reported, at "LTW - Stevens Point."

The club meeting that had been scheduled for Wednesday, December 13, was cancelled due to inclement weather. The

next meeting is scheduled for February 14, 1996.

The annual banquet will take place at Sentry World on January 10. Club members should have received a mailing in December regarding the banquet. Members who didn't receive a mailing, but who wish to attend, should contact Mike Eiden, WD9JID, as soon as possible.

Respectfully submitted:
David Tamres, KB9IIF, CWRA Secretary

Red Cedar Repeater Association, Inc.



Steve Hart, KA9OMC, Secretary



E616 810th Avenue

Knapp, WI 54749

2-Meter Repeater: 146.01 Input/146.61 Output

Greetings RCRA sponsors and guests.

Welcome to the New Year.

The last social hour was held in Menomonie on November 28th at the Cornucopia Restaurant. Balance at that time was \$225.60. The following were in attendance:

N9HME, Dan Perkins
N9PPE, Jeff Cole
N9LIJ, Jim Fittz
KF9CU, Arlene and OM Dave Kraft
N9TTV, Glenn Thompson
WB9PMF, Time Rose
N9CRO, Jones Jordan
KA9OMC, Steve Hart

Discussion revolved around a meeting with the Durand amateurs reference to the RCRA putting in a remote receiver to the repeater at their city. It appears that N9XAS, Bob Hulverson, is willing to let us use his site on the southeast end of the city. Expect this work to start spring of 96.

N9PPE, Jeff Cole, mentioned that he had not been active recently due to the passing of his father and our sincere thoughts go out to Jeff as he helps family members through this time.

Congratulations to N9LIJ, Jim, for winning the door prize for a meal at the restaurant.

N9TTV, Glenn offered a handout on Morse code uses in rehabilitation and education and the address of the office to contact for the mailing is Dept. of Communications Disorders, UW-Eau Claire, Eau Claire, WI 54702-4004 USA, Phone (715) 836-3980.

KF9CU, Arlene, offered copies of the

ARRL bulletins that she reads on the RCRA regular Monday Nite Net at 6:30 p.m., and mentioned that she would donate the paper needed to copy them for the present time. Thanks to Arlene for her continued efforts.

K9RRU, Bob Spinti, (recently retired from UW Stout) wishes to invite amateurs and alumni to contribute to the revival of the amateur station at the university. To contribute write: UW Stout (Stout Foundation) 302 10th Avenue, Menomonie, WI 54751, Phone (715) 232-1122.

Please make welcome the following sponsors to the year 1996: N9HME, Dan Perkins; N9CRO, Jones Jordan; WB9PMF, Time Rose; N9LIJ, Jim Fittz; NX9F, Jim Ley; N9TOW, Doug Farrell; and K9RRU, Bob Spinti. Thank you all for this demonstration of wide area support.

It is time to remind everyone of the upcoming RCRA Eau Claire Auction coming on February 27th. Everything is as same as last year. Please see our large ad here in BSSS this month and the February issue. We will have complete details in the February article, and a general mailing will go out in January.

Glad to note the North Star Traders Net on 3913 MHz Sunday mornings at 8:30 a.m. under the direction of Ken Fosgate, W5NKT, is celebrating 25 years of trading activity. Even better is that Ken is back in the net control seat after a long battle with Lymes that nearly claimed his life. All the best to Ken and the traders.

□

volunteers to furnish programs for the upcoming months. Those who volunteered are:

January----- (no program, elections)
February----- Sherm, W9NGT
March----- Gary, W9XT
April-----?
May----- Homebrew Contest
June----- Field Day demos

Gary, W9XT, motioned for a free membership and subscription of BSSS be awarded to the winners in two categories, Novice/Tech and General/Advance/Extra of the Homebrew Contest held in May. Don, K9GR, seconded the motion and the membership approved.

Don, K9GR, encouraged the membership to attend an important meeting where the election of officers will take place and the voting of new legislation take place. (Presently we require a three-fourths of the club's membership to adopt the new amendment).

Gary, W9XT, announced a newsletter will be sent in a couple weeks to the ama-

teur operators of Washington County.

A motion to close the meeting was made by Brian, N9LOO, seconded by Larry, WB9BVB, and sustained by the membership. The meeting was adjourned until January 11th at 7:30 p.m. at the Washington County Courthouse.

Following the meeting, the program was given by Paul Schmidt, a dispatcher from the Ozaukee County Police Department. He informed us the do's and don't's in reporting incidents to the department.

Meeting minutes submitted
by Dave, KA9RNU

January 1996 Breakfast Schedule

Jan 6, 1996 • 9:00 a.m. • Jimmy's in Jackson
Jan 13, 1996 • 9:00 a.m. • Slinger Inn in Slinger
Jan 20, 1996 • 9:00 a.m. • Fay's in West Bend
Jan 27, 1996 • 9:00 a.m. • Parkside Cafe in Jackson
□

Washington County Amateur Radio Club

Tom Waldschmidt, N9LZW,
Secretary
465 Elder Lane
Allenton, WI 53002-9799

Club Repeater: 146.73 MHz

MEMBERSHIP MEETING MINUTES December 14, 1995

The December 14, 1995 membership meeting of the Washington County Radio Club was called to order at 7:30 p.m. by our Vice President Gary Sutcliffe, W9XT.

The minutes of the November meeting were read by Dave, KA9RNU. A motion was made by Sherm, W9NGT, seconded by Bob, AA9EF, and carried by the membership to approve the minutes as read.

The treasurer's report was given by Treasurer Dave, KA9RNU. A motion was made by Chris, N9ZES, seconded by Mark, N9UGH, and was carried by the membership to approve the treasurer's report as read.

Repeater Committee

Repeater Committee Chairman Don, K9GR, reported upgrading the repeater. Two minor problems are 1) not enough power and 2) a little bit of dissonance. Modifications with the repeater will be installing a Motorola TLN1435B, tuning the duplexers, correcting the PL frequency, setting the timeout to 4 minutes and setting the feedline to a 1/2 wavelength distance.

Food Committee

Larry, WB9BVB, reported the banquet will be at Timmers on January 13th at 6:30 pm. We will order off the menu. At this time, we have 11 confirmed to come to the banquet. (Contact Larry with your reservations. He may be reached on 146.73 repeater, on packet at 145.03 MHz (WB9BVB-1 via W9MQD-4) or by phone at 677-4347).

(No old business to report).

New business

Don, K9GR, announced the nominations of officers as follows:

President: Walt (N9LLS), unopposed
Vice President: Gary (W9XT) and Peggy (WB9RWV)
Secretary: Tom (N9LZW) unopposed
Treasurer: Dave (KA9RNU) and Chris (N9ZES)

Don encouraged others to contact the nominations committee if anyone was interested in running for an office. An appointed position of program chairman which had been fulfilled faithfully by N9KIK will be vacant. Don suggested

Mancorad Radio Club

John Meyer, NZ9Z, Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204



2-Meter Repeater: 146.01 Input/146.61 Output

MEETING MINUTES December 20, 1995

Old Business

The December meeting, delayed a week due to a snowstorm on the regular meeting night, was called to order by President Red, N9GHE, at 7:30 p.m.

The treasurer's report was approved as read, as were the minutes as printed in the *Badger State Smoke Signals*.

Red gave details of the Midwinter Banquet. Chicken and Barbecued Ribs were agreed upon for the family style dinner, at a cost of \$9.00 per person -- this includes tax and tip. The banquet will be held at the Cedar Ridge Restaurant at the Maribel exit of I-43 on February 10th. Social hour will begin at 5:30 p.m., with dinner being served at 6:30. Reservations should be paid to club treasurer Glenn, AA9MT, by the January meeting. Members from other clubs are welcome to join us.

The constitutional amendments proposed at the last meeting were passed unanimously.

Looking ahead to the hamfest, volunteers are needed for many of the committees.

Reminders were given for the Ham classes and the computer-building classes, both of which will begin in January. Dave, KB9KQA, volunteered to help with the ham classes. Classes will begin Tuesday, January 16th at 6:30 p.m. They will be held for about 10 - 12 weeks in the clubroom. NZ9Z, your secretary, will see to ads in the local media.

Motion to adjourn was made by Bob, KB9INK, and seconded by Terry, N9PZT. Meeting adjourned at 8:05 p.m.

*Submitted for approval:
John Meyer, NZ9Z, Secretary*

Malicious Interference Talks Called "Productive"

Responding to a rising number of unresolved malicious interference complaints in Amateur Radio, an ARRL Executive Committee ad hoc panel has recommended the League look to Congress for a long-term solution. The ad hoc committee was formed to look into why the FCC failed to take effective enforcement actions in a handful of cases plaguing the amateur community.

As part of the continuing ARRL effort - and following up on earlier meetings by ARRL President Rod Stafford, KB6ZV - Executive Vice President David Sumner, K1ZZ, and General Counsel Chris Imlay, N3AKD, recently had what were described as "productive" meetings with senior officials in FCC's Wireless Telecommunications Bureau and Compliance and Information Bureau. In addition, ARRL has begun rounding up support from several congressmen from districts where amateurs are experiencing particularly intractable interference problems.

Over the past three years, the League has consistently sought action in two cases of 'repeated, persistent malicious interference' and other rules violations. In one case, "jawboning" by the local FCC office is now credited with reducing or eliminating the problem. In the other, action has not yet been forthcoming.

-Steve Mansfield, N1MZA in *The ARRL Letter*, 12/26/95

Take a Flying Leap - for Just a Second

The International Earth Rotation Service (IERS) has announced the introduction of a leap second to occur at the end of December 1995. The leap second will be inserted between 23 hours, 59 minutes, 59 seconds on December 31, 1995, and 0 hours, 0 minutes, 0 seconds on January 1, 1996.

(The BSSS staff trusts that everyone enjoyed the extra second of sleep - BSSS editor).

- *The ARRL Letter*, 12/26/95

Spartan Packet Radio GPS Experiment

Continued from page 9

These control stations will monitor the health and activity of SPRE on a downlink frequency of 145.55 MHz, the same frequency used by the MIR space station and the Shuttle Amateur Radio EXperiment (SAREX). The data format is completely printable ASCII characters and is fully compatible with typical Amateur Radio packet equipment.

Schools or any Amateur Radio station wishing to participate or needing more information can contact the SPRE Project by e-mail to Ken McCaughey at kennethC&w3eax.umd.edu. Or send a self-addressed stamped envelope and a 3.5-inch high-density floppy disk to SPRE Project, Century Computing Inc, 8101 Sandy Spring Rd, Laurel, MD 20707. Check out the SPRE home page on the World Wide Web at <http://w3eax.umd.edu>.

-Ken McCaughey N3FZX in *The ARRL Letter*, 12/26/95

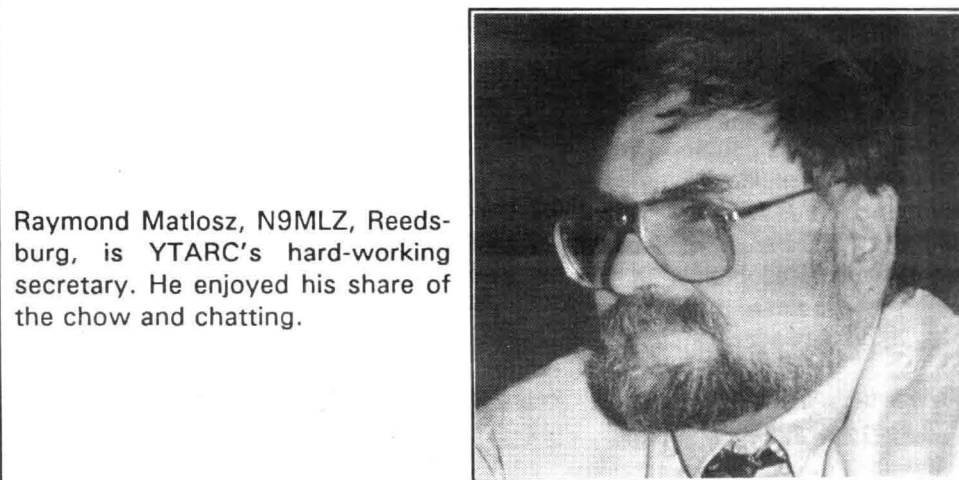
Candids from the Yellow Thunder Amateur Radio Club Christmas Dinner



The Yellow Thunder Amateur Radio Club, based in Baraboo, held its annual Christmas Party December 15 at the Old Hiway House in West Baraboo. Twenty or so members and guests chowed down and enjoyed a lot of fraternizing. Above are Steve Schulze, N9UDO (YTARC president and SysOp of the RF Deck landline BBS), and his wife, Karen.

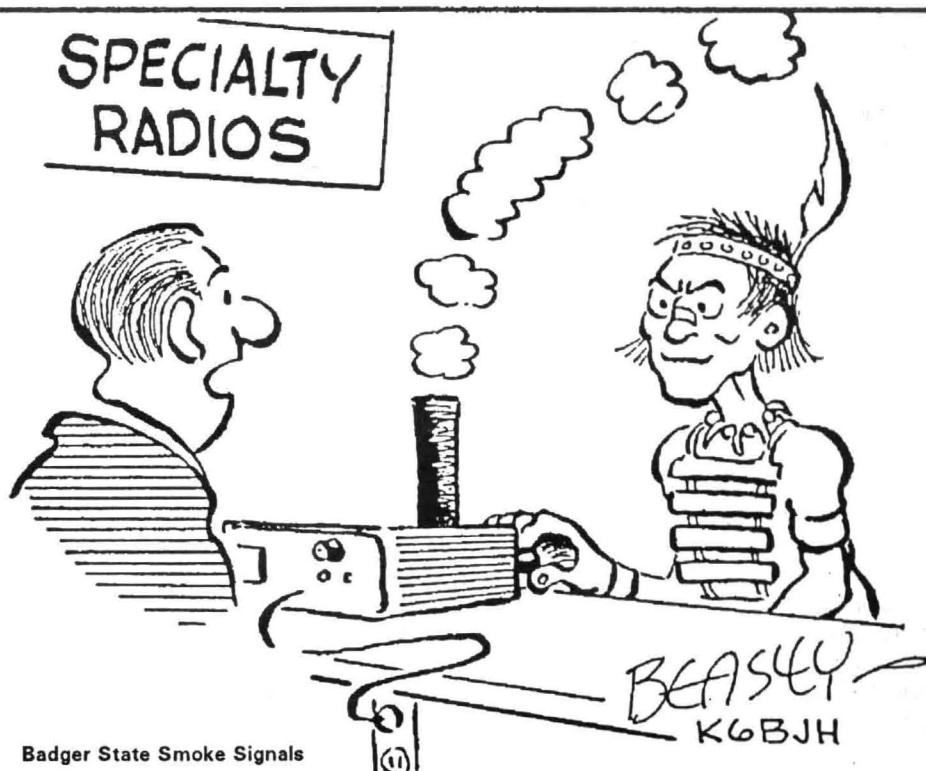


Iona Neimeyer (K9EN's mom), of Portage, chatted with Loretta Kleefisch, wife of Art Kleefisch, W9WSS, Baraboo.



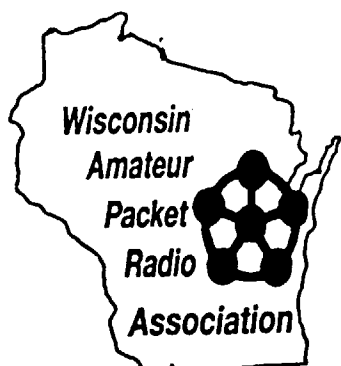
Raymond Matlosz, N9MLZ, Reedsburg, is YTARC's hard-working secretary. He enjoyed his share of the chow and chatting.

SPECIALTY RADIOS



Badger State Smoke Signals

DID YOU WANT THE APACHE OR SIOUX
MODULE WITH THAT?



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)
 Bob Gedemer, KA9JAC
 609 Wilson Street, Neenah, WI 54956

Andy Nemec, KB9ALN, Editor, 720 N. Broadway (Upper West), Green Bay, WI 54303

WAPR News - January 1996

Happy New Year! Best wishes to all of you for a prosperous New Year filled with much fun in packet radio!

This month we are looking at the scheduled WAPR meeting at the Waukesha Hamfest on January 14th. Last year, you might remember, we had a one-time meeting at the Ashwaubenon High School near Green Bay for our winter quarterly meeting. This year we should be resuming our customary schedule, if all goes well. The 'Fest is held at the Waukesha County Expo Center Forum building, at the intersection of county highways J and FT near Waukesha. Keep your eyes on your local Packet BBS for details and the meeting agenda. If there is something that you would like to have brought up at the meeting, feel free to have it added to the agenda. Kent, W9LZQ sends a message before each meeting inviting people to do just that. Look for it about a week before the meeting.

As promised, the meeting minutes we were unable to include in last month's Packeteer are here this month.

Steve, KE9LZ reports that the Wisconsin Node List is on it's way to the ARRL. Once again, Wisconsin will be represented in the ARRL repeater directory. Due to a lack of response by some node and BBS operators, the list may not be as large as it has been in the past. However, we certainly know for sure what is out there now. Thanks to all who have responded to the request for information, and thanks to Steve for taking his frequency coordinator position seriously and getting this done.

A problem has recently come to my attention that I was totally unaware of. It seems that some mail that was destined for the BBS here in Green Bay has been stuck in parts further south. Apparently, the routing problem may have been going on for quite a while. We are working on this situation and the problem should be resolved by the time you read this. I mention this because some of you may have sent me news and/or other information for this column, and may think I have been so rude as to ignore your correspondence! I do make it a point to answer any and all packet mail directed to me. If you did mail me, I will be returning your mail as soon as this is resolved.

I have also moved my residence and have a new address. My packet address and Postal address appear below:

Andy Nemec, KB9ALN
 720 N. Broadway (Upper West)
 Green Bay, WI 54303
 KB9ALN@KB9ALN.#GRB.WI.USA.NOAM

Once again, I encourage you to contact me with your news or comments about anything that appears in the Wisconsin Packeteer. I will include anything printable, and will strongly consider your comments and suggestions.

I do hope to see you at the meeting! Please drop by, whether you are a member of WAPR or not. Come see what WAPR is all about.

73 for now, Andy.

WAPR Meeting Minutes - Held in Onalaska 21 October 1995

Meeting was called to order at 10:11 am by Kent W9LZQ

Minutes from the last meeting were read by W9LZQ. Motion made to approve minutes, Second by AA9AW, Motion Passed.

Treasurers report was read by KA9JAC. Motion by KE9LZ to approve as read, second by WD9ESU, Motion passed.

Question was asked by KA9JAC on what to do about

the charges for Meteor Hills Site. Kent said he would try to make contact and check on the status of the site before payment is made. N9BQM made a motion that payment then be made at the discretion of KA9JAC based on the info received. Motion was seconded by KE9LZ, Motion passed.

W9LZQ made a motion to commend KB9ALN for the fine job he has been doing with the info in the Badger State Smoke Signals. Seconded by AA9AW, Approved.

Call for committee reports: Standards - AA9AW Nothing new to report.

Publications - N9CFN, KB9ALN not present at this meeting. Special interests - N9CFN not present.

Maps - N9BQM, Joel will be sending the last info he has to KA9JAC who will then get as updated info as possible from KE9LZ and will then be getting together with N9WNT to put together a new updated map. After this is completed it will be forwarded to N9UDL for use as a web page.

Frequency Coordination - KE9LZ, Has been very busy, has gotten some responses and is updating the data base with the info received. Will be sending out the latest node list via BBS soon. And also submitting to the ARRL for publication by December 15.

Wittenberg was coordinated this summer on 145.71 and is linked via 446.200 to Appleton and the KA9JAC system at 9k6. Has been trying to work with KC9NW at Wausau to link into Wittenberg stack.

Crivitz is on 145.77 and is linked to Green Bay and Iron Mountain on 440 at 9k6.

Plans in North east to try to set up a data regenerative repeater at 9k6. This hopefully would cover a wider area and help to eliminate hidden transmitter problems. Would like to see hubs set up around the state this way and then have them all linked together. The 9k6 system in the northeast now extends into both upper and lower Michigan.

Kent asked about issues with WAR. Steve is now working with them to resolve the problems.

Regional Segments - N9CFN not present.

Old Business: Kent, W9LZQ is going to have new mini apps.

New Business:

WD9ESU now as of the 18th has the North Freedom site. His plans are to upgrade it to 9k6 capable as soon as possible to link to Tomah. AA9AW is assisting. Larry also is currently connecting to WA9KEC via lan or 145.09 and is planning on re-aiming a beam to Milwaukee on 446.

Either Pittsville or Port Edwards will try to link to Tomah and also to Wausau. When it is up, this should give 9k6 from Green Bay to Madison.

N9PBY at Port Washington is on 440 to WA9KEC, if NF9R comes back online or another link to Manitowoc is established, this would give a full loop at 9k6 around a major portion of the state.

Steve KE9LZ is looking at trying to get The northeast up to 19.2 this winter. This area is using Pacomm Spirits due to the ability to run as high as 56k and using Motorola Mitreks due to the good speed compatibility. He recommends the Spirits due to the speed of the processor. The Mitreks will run up to 19.2 and with some filter mods should go to 38.4k.

Tom N9UDL has offered to put up a WAPR web page on his server. He needs some material for this. We will try to get him a node map as soon as possible. Walt AA9AW reported that the county has had their communications equipment in a portable communications shack near Tomah for many years and that they have had a node there also. About a week ago they pulled the portable shack out and built a new one which is much nicer and roomier.

TAPR has a web page up and WAPR is listed on it.

KE9LZ mentioned bulletins on the system addressed to WISNET and hopes that people will read them.

KA9JAC made a motion that cards be mailed to members notifying them of expiration. Seconded by WD9ESU and passed.

Motion to adjourn from KA9JAC second by NOPDD,

passed.

Using the Wisconsin Network - Part 11

by Andy Nemec, KB9ALN

Last month we turned in a slightly different direction in our exploration of the Wisconsin Network. We started to explore the somewhat mysterious world of the TCP/IP station. We learned just what "TCP/IP" is, and what makes them different from the garden-variety "AX.25" station. We also learned that they are capable of the "standard" AX.25 protocol so that they can communicate with "standard" stations. And we learned that these stations can also talk to Network Nodes, and are part of the network. And this is why we are learning about them; you may encounter a TCP/IP station that functions as part of the network and we should learn how to use it as such.

Most IP stations you will come into contact with use the network in a different way, to support the TCP/IP functions of the system. Because of their inherent versatility, they are gaining wide usage as "Packet Switches". They can handle various different protocols, and therefore, can do many different jobs. Most likely, when you connect up to one, you will be connecting to what looks like a BBS. But a TCP/IP station can and is often used as a node. When you connect, you may get a greeting screen that looks something like this:

[WNOS-4B0-HMI\$] Currently 1 user.

Welcome to KB9ALN's Mailbox and Node in Green Bay, Wisconsin.

To chat with me, Type C.

Mail area (WX9APR): 0 Messages

Enter

Command:(a,b,c,co,conv,d,du,e,f,h,i,k,l,m,n,n,c,p,q,r,s,t,u,v,w,?)>

The first line you see identifies the program in use by this station, which is called "WNOS". WNOS is an abbreviation meaning "WAMPES Network Operating System". WAMPES is a group of Amateurs from Germany who modified a program written by Phil Karn, KA9Q called NOS. Virtually every flavor of TCP/IP has NOS in it's name. The "HMI\$" part of the first line lets other BBS's know that this station will accept forwarded messages, among other things. The second line is self-explanatory, the users currently connected.

The third and fourth lines of text are just a greeting and an instruction as to how to do a keyboard chat with the operator of the station. Notice that the fifth line mentions a "Mail Area". Every one who connects up to the station has a personal mail area where their messages are stored. You log onto your own personal area. The user connected here is WX9APR (a call I pulled out of thin air for example), and has no messages. If you were to connect up to this station, you would see your call sign in place of this one.

Now, to the command line. It does look similar to a BBS, doesn't it? There are a fair number of BBS function in there, and they function much like any other BBS. We'll cover each command specifically below:

A - area

This is used to find out about the various mail areas available, and allows you to change to a different one. When you log onto a TCP/IP station, you are in your personal mail area. Those of you who have used the MSYS BBS systems may be familiar with the concept of message categories. The mail area is very similar.

B - bye This will disconnect you from the station.

C - chat Allows you to talk to the Sysop, if available. Some TCP/IP stations use the "Q" command (for "Operator").

CO - connect Makes a connection as a node to another station. Sometimes, this will make a network node connection for you. Most of the time it will connect you to another station much like a "KA-Node" does.

CONV - This allows you to join in a "round table". More than one person can join in a conversation with you and all stations can see what each participant is sending. Their call-signs are inserted in front of each sentence they send.

D - download Allows you to download a text file. The format is d <filename>.

DU- download This allows you to download binary files that are "UU" encoded.

E - escape Allows you to set an "escape character" This is a key combination (like control-x) that is used if you want to abort a process, but wish to remain connected to this station.

F - finger This retrieves a short info file about a user of this system.

H - help Just what you would expect. In addition, you can use this in conjunction with a particular command. Help Finger will give you specific information about the finger command.

I - info Gives you a short info file about this TCP/IP station.

K - kill Deletes a message, just like any other mailbox or BBS.

L - list Lists messages. Again, just like any other BBS.

M - mheard Returns this station's heard list.

N - nodes Just like any other node, this is a list of network nodes that this mailbox and node can connect to.

N C - Means "Netrom" or "Network" Connect. Some TCP/IP stations need to know that you wish to connect to a network node. If you wish to connect to, say WIGRB, you would send n c wigrb .

P - path Gives a list of nodes that this node can directly connect to, without going through the Network. Similar to "routes".

Q - quit Same as "bye".

R - read Read a message, just like a conventional BBS.

S - send Send a message. Again, this is the same as a regular BBS or Mailbox, and the same process is used.

T - telnet This is TCP/IP lingo telling this computer to connect up with specified computer running TCP/IP.


U - users Shows who is currently connected to this station.

W - what Sends you a list of What files are available for downloading.

"More hay, Trigger?" "No thanks, Roy, I'm stuffed".

A flashlight is a case for holding dead batteries.


Computing is a terminal condition.



Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call)
K9ODK (Robert L. Prine Memorial Call)

Raymond J. Matlosz, N9MLZ, Secretary
450 West 2nd Street • Reedsburg, WI 53959



Twenty three members, VL's and friends of the Yellow Thunder Amateur Radio Club gathered at the Old Hi-Way House in West Baraboo, WI on Friday December 15, 1995 for the club's annual Holiday party. A good time was had by all. There was no formal business meeting, hence, no minutes approved, no financial report, no old or old business, just good conversation and food.

In the mailbag, the club secretary received a certificate from ARRL acknowledging the club's twenty-five year affiliation with ARRL. Adams County Amateur Radio club sent the club a notice that their club was chartered in January 1995 and they were planning a Hamfest on June 1, 1996 at the Adams County Fairgrounds. ARRL sent a flyer on ARRL Videos and Software that clubs can use in teaching courses on amateur radio.

Club meetings have been confirmed thru June 1996 and will continue to be held at the Baraboo Civic Center, usually room 14 (exception is room 19 for the May meeting).

The next meeting will be held 7:30 p.m. Tuesday January 16, 1996 in room 14 at the Baraboo Civic Center. Dues are due on or before this meeting. Fifteen bucks, includes subscription to Badger State Smoke Signals.

Sincerely,
Raymond J. Matlosz, N9MLZ, Secretary

The following members and guest were present:

Steve Schulze	N9UDO	Baraboo
Karen Schulze		Baraboo
Bill Hommel	KA9QFJ	Baraboo
Art Kleefisch	W9WSS	Baraboo
Loretta Kleefisch		Baraboo
Jim Decker	WB9UQT	Baraboo
Thomas Harrison	N9PQJ	Reedsburg
Kim Harrison		Reedsburg
David Knoble		Reedsburg
Bill Klinkner	N9KXX	Sauk City
Anne Klinkner	N9PQL	Sauk City
Raymond Matlosz	N9MLZ	Reedsburg
George Gabay	N9QQR	New Lisbon
Marge Gabay		New Lisbon
David Spearing	KB9CSW	Portage
Mary Yost		Sauk City
Everett H. Yost	KB9XI	Sauk City
Ken Ebner	K9EN	Portage
Iona Niemeyer		Portage
Pete Sweeney	WD9JIB	Reedsburg
Jim Romelfanger	K9ZZ	Baraboo
Domenic Bianco	KA9QFK	Reedsburg
Duane Grotophorst	KA9HKL	Loganville

THE TESTPOINT

(continued from page 3)

SE Metro Area Radio Club (SEMARC)
Contact: Dave Harrell, NOIPN (612) 459-8678
Test Site: Cottage Grove Fire Station
8641 80th ST., S
Cottage Grove, MN
TESTING: Third Saturday of the month, 9:00 a.m.

The above information has been furnished by the various VEs. However, it is suggested that you confirm time, date and location BEFORE you make the trip to the test site. Occasionally, a test may be canceled and/or dates and locations changed. A Phone call could save you some grief and a wasted trip.

This section of Badger State Smoke Signals is available to publi cize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN at the address shown on page 2.

RaNdOm AcCeSs HuMoR

(from Squelch Tale)

Lottery: a tax on people who are bad at math.

Error, no keyboard - press F1 to continue!

I have grip on reality, just not this particular one.

There's too much blood in my caffeine system.

Artificial intelligence usually beats real stupidity.

Ask me about my vow of silence!

A bachelor never makes the same mistake once.

I'm not a complete idiot - several parts are missing.

Veni, vidi, velcro: I came, I saw, I stuck around.

Every time my ship comes in there's a dock strike.

Efficiency is a highly developed form a laziness.

Got A Pentium for my wife - good trade.

If everything seems to go right, check your zipper.

The four food groups: Fast, Frozen, Instant and Chocolate

Ensign Walnut approaches Dr. Crusher with caution.

Ted Kennedy's Bumper Sticker: My other car is underwater.

I'm not round. I'm an oblate spheroid.

Don't be so open minded that your brain falls out.

I know it all, I just can't remember most of it.

What goes around usually gets dizzy and falls over.





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P. O. Box 102

Extension 58

South Milwaukee, WI 53172

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HAMFEST INFO:
Chad Pennings, N9PRC
414-954-1229

EXAM INFO:
Larry Siebers, KD9IA
414-759-1167

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Intersection of Hwys. 42-151 and I-43 on Cty. Hwy. R
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For more information, call:

Glenn, AA9MT: 414-684-7096

Red, N9GHE: 414-684-9097 (nights)

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8 a.m. to 2 p.m.

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Info: John Kalina, KA9DJA

(715) 344-1407

1240 North Point Drive

Stevens Point, WI 54481

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5119 W. Willow Rd., Brown Deer, WI 53222
Swapfest sponsored by the Ozaukee Radio Club
11448 N. Laguna Drive • Mequon, WI 53092

Kettle Moraine Radio Amateurs SWAPFEST

Sunday, October 13, 1996

Waukesha County Expo Center

Info: KMRA Swapfest S46 W32264 Highview Rd.
Waukesha, WI 53188-9276

Red Cedar Repeater Association, Inc.

AUCTION

February 27, 1996 • 7:00 p.m.

**American Legion Post 53 • 634 Water Street
Eau Claire, WI**

CONTACT:

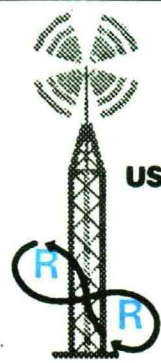
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